



# सरकारी गजट, उत्तराखण्ड

उत्तराखण्ड सरकार द्वारा प्रकाशित

रुड़की

खण्ड-19] रुड़की, शनिवार, दिनांक 21 अप्रैल, 2018 ई0 (बैशाख 01, 1940 शक सम्वत्) [संख्या-16

विषय-सूची

प्रत्येक भाग के पृष्ठ अलग-अलग दिये गए हैं, जिससे उनके अलग-अलग खण्ड बन सकें

| विषय  | पृष्ठ संख्या | वार्षिक चन्दा |
|---|--------------|---------------|
|   |              | रु0           |
| सम्पूर्ण गजट का मूल्य ...   | —            | 3075          |
| भाग 1-विज्ञप्ति-अवकाश, नियुक्ति, स्थान-नियुक्ति, स्थानान्तरण, अधिकार और दूसरे वैयक्तिक नोटिस ...  | 199-212      | 1500          |
| भाग 1-क-नियम, कार्य-विधियां, आज्ञाएं, विज्ञप्तियां इत्यादि जिनको उत्तराखण्ड के राज्यपाल महोदय, विभिन्न विभागों के अध्यक्ष तथा राजस्व परिषद ने जारी किया ...   | 293-332      | 1500          |
| भाग 2-आज्ञाएं, विज्ञप्तियां, नियम और नियम विधान, जिनको केन्द्रीय सरकार और अन्य राज्यों की सरकारों ने जारी किया, हाई कोर्ट की विज्ञप्तियां, भारत सरकार के गजट और दूसरे राज्यों के गजटों के उद्धरण ...    | —            | 975           |
| भाग 3-स्वायत्त शासन विभाग का क्रोड़-पत्र, नगर प्रशासन, नोटीफाइड एरिया, टाउन एरिया एवं निर्वाचन (स्थानीय निकाय) तथा पंचायतीराज आदि के निदेश जिन्हें विभिन्न आयुक्तों अथवा जिलाधिकारियों ने जारी किया ... | —            | 975           |
| भाग 4-निदेशक, शिक्षा विभाग, उत्तराखण्ड ...  | —            | 975           |
| भाग 5-एकाउन्टेन्ट जनरल, उत्तराखण्ड ...  | —            | 975           |
| भाग 6-बिल, जो भारतीय संसद में प्रस्तुत किए गए या प्रस्तुत किए जाने से पहले प्रकाशित किए गए तथा सिलेक्ट कमेटियों की रिपोर्ट ...  | —            | 975           |
| भाग 7-इलेक्शन कमीशन ऑफ इण्डिया की अनुविहित तथा अन्य निर्वाचन सम्बन्धी विज्ञप्तियां ...  | —            | 975           |
| भाग 8-सूचना एवं अन्य वैयक्तिक विज्ञापन आदि ...  | 107-112      | 975           |
| स्टोर्स पर्वेज-स्टोर्स पर्वेज विभाग का क्रोड़-पत्र आदि ...  | —            | 1425          |

## भाग 1

विज्ञप्ति-अवकाश, नियुक्ति, स्थान-नियुक्ति, स्थानान्तरण, अधिकार और दूसरे वैयक्तिक नोटिस

## गृह अनुभाग-4

## कार्यालय झाप

06 अप्रैल, 2018 ई0

संख्या 738/XX-4/2018-45(कारा0)/2016-मंत्रिमण्डल की बैठक दिनांक 22-03-2018 में पारित निर्णय के क्रम में अधिसूचना संख्या-662/बीस-4/2018-45(कारा0)/2016, दिनांक 06.04.2018 के द्वारा 'उत्तराखण्ड कारागार विभाग भेषजिक (फार्मासिस्ट)/मुख्य भेषजिक (चीफ फार्मासिस्ट) सेवा नियमावली, 2018' प्रख्यापित की गई है।

यह नियमावली निर्गमन की तिथि से प्रभावी होगी।

## अधिसूचना

## प्रकीर्ण

06 अप्रैल, 2018 ई0

संख्या 662/XX-4/2018-45(कारा0)/2016-श्री राज्यपाल महोदय 'भारत का संविधान' के अनुच्छेद, 309 के परन्तुक द्वारा प्रदत्त शक्ति का प्रयोग तथा इस विषय के विद्यमान समस्त नियमों और आदेशों का अधिक्रमण करते हुए उत्तराखण्ड कारागार विभाग भेषजिक (फार्मासिस्ट)/मुख्य भेषजिक (चीफ फार्मासिस्ट) सेवा में नियुक्त व्यक्तियों की भर्ती तथा सेवा शर्तें विनियमित करने के लिए निम्नलिखित नियमावली बनाते हैं:-

उत्तराखण्ड कारागार विभाग भेषजिक (फार्मासिस्ट)/मुख्य भेषजिक (चीफ फार्मासिस्ट)

सेवा नियमावली, 2018

## भाग-1

## सामान्य

- संक्षिप्त नाम और प्रारम्भ 1. (1) यह नियमावली उत्तराखण्ड कारागार विभाग भेषजिक (फार्मासिस्ट)/मुख्य भेषजिक (चीफ फार्मासिस्ट) सेवा नियमावली, 2018 कहलायेगी।  
(2) यह तत्काल प्रभावी होगी।
- सेवा की प्रारिथिति 2. उत्तराखण्ड कारागार विभाग भेषजिक एवं उत्तराखण्ड कारागार विभाग मुख्य भेषजिक (राजपत्रित) सेवा एक ऐसी सेवा है, जिसमें क्रमशः समूह 'ग' व 'ख' के पद सम्मिलित हैं।
- परिभाषाएँ 3. जब तक विषय या संदर्भ में कोई बात प्रतिकूल न हो, इस नियमावली में:-  
(क) 'नियुक्ति प्राधिकारी' से भेषजिक के सम्बन्ध में महानिरीक्षक, कारागार, उत्तराखण्ड से एवं मुख्य भेषजिक के सम्बन्ध में प्रमुख सचिव/सचिव, गृह विभाग, उत्तराखण्ड शासन अभिप्रेत है;  
(ख) 'भारत का नागरिक' से ऐसा व्यक्ति अभिप्रेत है, जो 'भारत का संविधान के भाग-2 के अधीन भारत का नागरिक हो, या भारत का नागरिक समझा जाता है;  
(ग) 'आयोग' से उत्तराखण्ड अधीनस्थ सेवा चयन आयोग अभिप्रेत है;  
(घ) 'संविधान' से भारत का संविधान अभिप्रेत है;  
(ङ) 'सरकार' से उत्तराखण्ड राज्य की सरकार अभिप्रेत है;  
(च) 'राज्यपाल' से उत्तराखण्ड के श्री राज्यपाल महोदय अभिप्रेत है;  
(छ) 'सेवा का सदस्य' से इस नियमावली के प्रारम्भ से पूर्व प्रवृत्त इस नियमावली या आदेशों के अधीन स्थाई रूप से/मूल पद पर नियुक्त व्यक्ति अभिप्रेत है;  
(ज) 'सेवा' से उत्तराखण्ड कारागार विभाग भेषजिक सेवा अभिप्रेत है;  
(झ) 'मौलिक नियुक्ति' से अभिप्रेत सेवा के संवर्ग में किसी पद पर ऐसी नियुक्ति से है, जो तदर्थ नियुक्ति न हो और नियमानुसार चयन के पश्चात् की गई हो और यदि कोई नियम न हो तो सरकार द्वारा जारी किए गए कार्यपालक अनुदेशों द्वारा तत्समय विहित प्रक्रिया के अनुसार चयन के पश्चात् की गई हो; तथा

- (ज) 'भर्ती का वर्ष' से कैलेण्डर वर्ष के जुलाई के प्रथम दिवस से आरम्भ होने वाली बारह मास की अवधि अभिप्रेत है।

## भाग-2

## संवर्ग

## सेवा संवर्ग

4. (1) सेवा और उसमें प्रत्येक संवर्ग के पदों की संख्या उतनी होगी जो समय-समय पर सरकार द्वारा निर्धारित की जाये।
- (2) सेवा के प्रत्येक संवर्ग में पदों की संख्या जब तक उपधारा (1) के अधीन पारित आदेशों द्वारा परिवर्तन न किया जाय, उतनी होगी जो परिशिष्ट-क में दी गई है;
- परन्तु, यह कि—
- (i) नियुक्ति प्राधिकारी किसी रिक्त पद को खाली छोड़ सकेंगे अथवा श्री राज्यपाल महोदय, किसी पद को इस प्रकार प्रास्थगित कर सकेंगे, कि कोई व्यक्ति प्रतिपूर्ति का हकदार नहीं होगा।
- (ii) श्री राज्यपाल महोदय, ऐसे स्थाई अथवा अस्थायी पद सृजित कर सकते हैं, जैसा कि वे उचित समझें।

## भाग-3

## भर्ती

## भर्ती का स्रोत

5. सेवा में विभिन्न श्रेणियों के पदों पर भर्ती निम्नलिखित स्रोतों से की जायेगी :
1. मुख्य भेषजिक (चीफ फार्मासिस्ट):—मौलिक रूप से नियुक्त ऐसे स्थाई भेषजिकों (फार्मासिस्ट) में से, जिन्होंने भर्ती के वर्ष के प्रथम दिवस को इस रूप में न्यूनतम 12 वर्ष की सेवा पूर्ण कर ली हो, विभागीय चयन समिति के माध्यम से अनुपयुक्त को अस्वीकार करते हुए, ज्येष्ठता के आधार पर पदोन्नति द्वारा।
2. भेषजिक (फार्मासिस्ट):—उत्तराखण्ड अधीनस्थ सेवा चयन आयोग के माध्यम से सीधी भर्ती द्वारा।

## आरक्षण

6. उत्तराखण्ड राज्य की अनुसूचित जातियों, अनुसूचित जन-जातियों, अन्य पिछड़े वर्ग और अन्य श्रेणी के अभ्यर्थियों के लिए आरक्षण सीधी भर्ती के समय प्रवृत्त सरकार के आदेशों के अनुसार किया जायेगा।

## भाग-4

## अर्हता

## राष्ट्रीयता

7. सेवा में किसी पद पर सीधी भर्ती के लिए अभ्यर्थी—

- (क) भारत का नागरिक हो, या
- (ख) तिब्बती शरणार्थी, जो भारत में स्थायी रूप से बसने के आशय से 01 जनवरी, 1962 से पहले भारत आया हो, होना चाहिए, या
- (ग) भारतीय मूल का व्यक्ति जिसने भारत में स्थायी रूप से बसने के आशय से पाकिस्तान, बर्मा, श्रीलंका तथा केनिया, युगान्डा और संयुक्त तन्जानिया गणराज्य (पूर्ववर्ती तांगानिका और जंजीबार) के पूर्वी अफ्रिकी देशों से प्रवर्जन किया हो,

परन्तु, यह कि उक्त श्रेणी (ख) या (ग) से सम्बन्धित अभ्यर्थी, वह व्यक्ति होगा, जिसके पक्ष में राज्य सरकार द्वारा पात्रता प्रमाण-पत्र जारी किया गया हो,

परन्तु, यह और कि श्रेणी (ख) से सम्बन्धित अभ्यर्थी के लिए भी उप पुलिस उप महानिरीक्षक, अभिसूचना शाखा, उत्तराखण्ड द्वारा प्रदत्त पात्रता प्रमाण-पत्र प्राप्त करना आवश्यक होगा,

परन्तु, यह भी कि यदि अभ्यर्थी उक्त श्रेणी (ग) से सम्बन्धित है तो पात्रता प्रमाण-पत्र एक वर्ष से अधिक अवधि के लिए जारी नहीं किया जायेगा और ऐसे अभ्यर्थी को एक वर्ष की अवधि के बाद उसके द्वारा भारत की नागरिकता प्राप्त करने पर सेवा में रखा जा सकेगा।

**टिप्पणी**— जिस अभ्यर्थी के मामले में पात्रता प्रमाण—पत्र आवश्यक हो, किन्तु वह न तो वह जारी किया गया हो और न नामजूर किया गया हो, उसे परीक्षा या साक्षात्कार में प्रवेश दिया जा सकता है और उसे अनन्तिम रूप से नियुक्त भी किया जा सकता है। किन्तु शर्त यह है कि उसके द्वारा आवश्यक प्रमाण—पत्र प्राप्त कर लिया जाय या उसके पक्ष में जारी कर दिया जाय।

- शैक्षणिक अर्हता** 8 सेवा में भेषजिक (फार्मासिस्ट) पद पर नियुक्ति के लिए अभ्यर्थी के पास निम्नलिखित अर्हता होनी चाहिए —  
 (एक) माध्यमिक शिक्षा परिषद, उत्तराखण्ड से इण्टरमीडिएट परीक्षा, जीव विज्ञान या गणित विषय के साथ या सरकार द्वारा इसके समकक्ष मान्यता प्राप्त कोई परीक्षा उत्तीर्ण होना आवश्यक है।  
 (दो) सेवा में पदों पर सीधी भर्ती के लिए यह आवश्यक है कि अभ्यर्थी किसी मान्यता प्राप्त संस्था से भेषजिकी (फॉर्मसी) का डिप्लोमा रखता हो तथा स्टेट फॉर्मसी काउन्सिल, उत्तराखण्ड में पंजीकृत भी हो।  
 (तीन) देवनागरी लिपि में हिन्दी का कार्यसाधक ज्ञान होना चाहिए।
- अधिमानि अर्हता** 9 अभ्यर्थी जिसने :—  
 (एक) प्रादेशिक सेना में कम से कम दो वर्ष की सेवा की हो, या  
 (दो) राष्ट्रीय कैडेट कोर का 'बी' अथवा 'सी' प्रमाण—पत्र प्राप्त किया हो, अधिमान दिया जायेगा।
- अनिवार्य/वांछनीय अर्हता** 10 सीधी भर्ती के लिए अभ्यर्थी का नाम उत्तराखण्ड राज्य के किसी सेवायोजन कार्यालय में पंजीकृत होना चाहिए।
- आयु** 11 सीधी भर्ती के लिए अभ्यर्थी की आयु, यदि पद 01 जनवरी से 30 जून की अवधि के दौरान विज्ञापित किये जाते हैं तो जिस वर्ष भर्ती की जाती है, उस वर्ष की 01 जनवरी को 21 वर्ष और अधिक से अधिक 42 वर्ष होनी चाहिए और यदि पद 01 जुलाई से 31 दिसम्बर की अवधि के दौरान विज्ञापित किये जाते हैं तो उस वर्ष की 01 जुलाई को 21 वर्ष और अधिक से अधिक 42 वर्ष होनी चाहिए ;  
 परन्तु, यह कि अनुसूचित जातियों, अनुसूचित जनजातियों, अन्य पिछड़ा वर्ग तथा अन्य ऐसी श्रेणियों के अभ्यर्थियों के मामले में जिन्हें सरकार द्वारा समय-समय पर अधिसूचित किया जाए, अधिकतम आयु उतनी बढ़ाई जाएगी, जैसा कि विहित किया जाए।
- चरित्र** 12 सेवा में किसी पद पर सीधी भर्ती के लिए अभ्यर्थी का चरित्र ऐसा होना चाहिए जिससे वह सरकारी सेवा की नौकरी के लिए सर्वथा उपयुक्त हो, नियुक्ति प्राधिकारी इस विषय में स्वयं समाधान करेगा।  
**टिप्पणी**— संघ सरकार या किसी राज्य सरकार या संघ सरकार या राज्य सरकार के स्वामित्व में अथवा नियंत्रणाधीन किसी स्थानीय प्राधिकरण या निगम या निकाय द्वारा पदच्युत व्यक्ति सेवा में किसी पद पर नियुक्ति के पात्र नहीं होंगे। नैतिक अधमता के अपराध से सम्बद्ध सिद्धदोष व्यक्ति भी नियुक्ति के पात्र नहीं होंगे।
- वैवाहिक प्रास्थिति** 13 पुरुष, जिसकी एक से अधिक पत्नी जीवित हो, सेवा में किसी पद पर नियुक्ति के पात्र नहीं होंगे तथा यदि कोई महिला जिसके एक से अधिक जीवित पति हो, तो वह सेवा में किसी पद पर नियुक्ति के पात्र नहीं होगी ;  
 परन्तु, यह कि यदि सरकार का समाधान हो जाय कि ऐसा करने के लिए विशेष कारण है, तो वह किसी पुरुष या महिला को इस नियम के

प्रवर्तन से मुक्त कर सकेगी।

### शारीरिक योग्यता

- 14 किसी भी ऐसे अभ्यर्थी को सेवा में किसी पद पर नियुक्त नहीं किया जाएगा, यदि वह शारीरिक और मानसिक रूप से स्वस्थ नहीं है और किसी ऐसे शारीरिक दोष से मुक्त नहीं है जिसके कारण उसे अपने कर्तव्यों के दक्षतापूर्वक निर्वहन में हस्तक्षेप की सम्भावना हो। किसी अभ्यर्थी को नियुक्ति के लिए अनुमोदित करने से पूर्व उससे -

सेवा के मामले में वित्तीय हस्त पुस्तिका खण्ड दो, भाग तीन के अध्याय तीन में समाविष्ट मूल नियम 10 के अधीन बनाये गये नियमों के अनुसार स्वस्थता प्रमाण-पत्र प्रस्तुत करना अपेक्षित है;

परन्तु, यह कि पदोन्नति द्वारा नियुक्त अभ्यर्थी के लिए स्वस्थता प्रमाण पत्र प्रस्तुत करना अपेक्षित नहीं होगा।

परन्तु, यह और भी कि दिव्यांगता अधिकार अधिनियम, 2016 (केन्द्रीय अधिनियम संख्या 49 वर्ष 2016) की धारा 33 के क्रम में इस हेतु चिन्हित पदों तथा धारा 34 के अन्तर्गत चिन्हित श्रेणियों में दिव्यांगों को नियुक्ति देने से मना नहीं किया जायेगा।

### भाग- 5

### भर्ती प्रक्रिया

### रिक्तियों की अवधारणा

- 15 नियुक्ति प्राधिकारी वर्ष के दौरान भरी जाने वाली रिक्तियों की नियम-8 के अधीन उत्तराखण्ड राज्य की अनुसूचित जातियों, अनुसूचित जनजातियों और अन्य पिछड़े वर्ग तथा अन्य श्रेणियों के लिए आरक्षित की जाने वाली रिक्तियों की संख्या अवधारित करेगा और आयोग को सूचित करेगा।

### सीधी भर्ती की प्रक्रिया

- 16 (1) उत्तराखण्ड अधीनस्थ सेवा चयन आयोग द्वारा (उत्तराखण्ड लोक सेवा आयोग की परिधि के बाहर) समूह 'ग' के पदों पर सीधी भर्ती की प्रक्रिया नियमावली, 2008 यथासंशोधित के अन्तर्गत की जायेगी।  
(2) नियुक्ति प्राधिकारी रिक्त पदों को आगणित करते हुये भर्ती हेतु निर्धारित प्रपत्र पर अध्यायन, जिसमें ऊर्ध्व एवं क्षैतिज आरक्षण के सापेक्ष आरक्षित पदों की ही गणना की जायेगी, उत्तराखण्ड अधीनस्थ सेवा चयन आयोग को उपलब्ध करायेगा।  
(3) उत्तराखण्ड अधीनस्थ सेवा चयन आयोग विज्ञापन प्रकाशन के उपरान्त इस नियमावली के अन्तर्गत चयन प्रक्रिया पूर्ण कर अपनी संस्तुति नियुक्ति प्राधिकारी को प्रस्तुत करेगा।

### मुख्य भेषजिक (चीफ फार्मासिस्टों) पद पर पदोन्नति द्वारा भर्ती की प्रक्रिया

- 17 (1) उत्तराखण्ड विभागीय पदोन्नति समिति का गठन (लोक सेवा आयोग के क्षेत्र के बाहर के पदों के लिये) नियमावली 2002 के अनुबन्धों के अनुसार गठित विभागीय चयन समिति के माध्यम से की जाएगी।  
(2) नियुक्ति प्राधिकारी अभ्यर्थियों की पात्रता सूचियां उत्तराखण्ड (लोक सेवा आयोग के क्षेत्र के बाहर के पदों के लिए) चयनोन्नति पात्रता सूची नियमावली के अनुसार तैयार करेगा और उन्हें उनकी चरित्र पंजियों और उनसे सम्बन्धित ऐसे अन्य अभिलेख के साथ जो उचित समझे जायें विभागीय चयन समिति के समक्ष रखेगा।  
(3) विभागीय चयन समिति उप नियम (2) में निर्दिष्ट अभिलेखों के आधार पर अभ्यर्थियों के मामले पर विचार करेगी और यदि वह आवश्यक समझे तो अभ्यर्थियों का साक्षात्कार भी कर सकती है।  
(4) विभागीय चयन समिति चयन किये गये अभ्यर्थियों की सूचियाँ तैयार करेगी और उसे नियुक्ति प्राधिकारी को अग्रसारित करेगी।



**भाग - 6****नियुक्ति, परीक्षा, स्थायीकरण और ज्येष्ठता**

- नियुक्ति** 18 नियुक्ति प्राधिकारी अभ्यर्थियों के नाम उसी क्रम में लेकर जिसमें की नियम-15 के अधीन तैयार की गई सूची में आये हों, नियुक्तियाँ करेगा।
- परीक्षा** 19 (1) सेवा या किसी स्थायी पद पर या उसके विरुद्ध रिक्ति पर नियुक्त व्यक्ति 02 वर्ष की अवधि के लिए परीक्षाधीन रहेगा,  
 (2) नियुक्ति प्राधिकारी पृथक-पृथक मामले में परीक्षा का दिनांक विनिर्दिष्ट करते हुए जब तक अवधि बढ़ाई गयी है, अवधि बढ़ा सकता है, जिसके कारण अभिलिखित करने होंगे,  
 परन्तु यह कि आपवादिक परिस्थितियों के सिवाय परीक्षा अवधि एक वर्ष से अधिक और किसी भी परिस्थिति में दो वर्ष से अधिक नहीं बढ़ाई जायेगी।  
 (3) यदि नियुक्ति प्राधिकारी को प्रतीत होता है कि परीक्षा अवधि के दौरान किसी समय या परीक्षा अवधि की समाप्ति अथवा परीक्षा की बढ़ाई गयी अवधि में किसी परीक्षाधीन द्वारा अपने अवसरों को पर्याप्त उपयोग नहीं किया गया है या अन्यथा समाधान प्रदान करने में असफल रहा है तो उसे उसके मूल पद पर, यदि कोई है, प्रत्यावर्तित किया जा सकेगा या यदि उसका किसी पद पर धारणाधिकार नहीं है, तो उसकी सेवायें समाप्त की जा सकेंगी।  
 (4) ऐसे परीक्षाधीन व्यक्ति जिसे उपनियम (3) के अधीन प्रत्यावर्तित कर दिया गया हो या जिसकी सेवायें समाप्त कर दी गई हैं, किसी प्रतिकर का हकदार नहीं होगा।  
 (5) नियुक्ति प्राधिकारी परीक्षा अवधि की संगणना के प्रयोजन हेतु उस निरन्तर सेवा को गिने जाने की अनुमति दे सकेगा, जो उस विशिष्ट संवर्ग में शामिल किये गये पद पर या किसी समान अथवा उच्चतर पद पर स्थानापन्न या अस्थायी रूप में प्रदान की गयी हो।
- स्थायीकरण** 20 परीक्षाधीन व्यक्ति को उसकी नियुक्ति में उसकी परीक्षा अवधि या बढ़ायी गयी परीक्षा अवधि की समाप्ति पर स्थायी किया जा सकेगा यदि—  
 (क) उसका कार्य और आचरण संतोषजनक बताया गया हो,  
 (ख) उसकी सत्यनिष्ठा अधिप्रमाणित है, और  
 (ग) नियुक्ति प्राधिकारी का समाधान हो गया है कि वह स्थायीकरण हेतु अन्यथा योग्य है।
- ज्येष्ठता** 21 सेवा में किसी श्रेणी के पद पर मौलिक रूप से नियुक्त व्यक्ति की ज्येष्ठता समय-समय पर यथासंशोधित उत्तराखण्ड सरकारी सेवक (ज्येष्ठता) नियमावली, 2002 के अनुसार अवधारित की जायेगी।

**भाग - 7****वेतन आदि**

- वेतनमान** 22 (1) सेवा में विभिन्न श्रेणियों के पदों पर नियुक्त व्यक्तियों का अनुमन्य वेतनमान ऐसा होगा जैसा सरकार द्वारा समय-समय पर अवधारित किया जाय।  
 (2) इस नियमावली के प्रारम्भ के समय वेतनमान ऐसे होंगे जैसे परिशिष्ट 'क' में दिये गये हैं।
- परीक्षा के दौरान वेतन** 23 (1) मूल नियमों में किसी प्रतिकूल प्राविधान के होते हुए भी, परीक्षाधीन व्यक्ति, यदि स्थायी सरकारी सेवा में नहीं है, तो उसे एक वर्ष की संतोषजनक सेवा पूरी करने, विभागीय परीक्षा में उत्तीर्ण होने और प्रशिक्षण प्राप्त करने पर, जहां विहित हो समयमान में पृथक वेतनवृद्धि की अनुमति प्रदान की जायेगी, तथा दूसरी वेतनवृद्धि दो वर्ष की सेवा

के पश्चात् परीक्षा अवधि पूर्ण किये जाने तथा स्थायी किये जाने पर दी जायेगी ;

परन्तु, यह कि यदि समाधान प्रदान करने में असफल रहने के कारण परीक्षा अवधि बढ़ाई जाती है तो जब तक नियुक्ति प्राधिकारी अन्यथा निर्देश न दे, ऐसी बढ़ाई गयी अवधि वेतन वृद्धि के लिए नहीं गिनी जायेगी।

- (2) परीक्षा के दौरान ऐसे व्यक्ति का वेतन, जो सरकार के अधीन पहले से ही पद धारण कर रहा है संगत मूल नियमों द्वारा विनियमित किया जायेगा:

परन्तु, यह कि यदि समाधान प्रदान करने में असफल रहने के कारण परीक्षा अवधि बढ़ाई जाती है तो जब तक नियुक्ति प्राधिकारी अन्यथा निर्देश न दें ऐसी बढ़ाई गयी अवधि वेतन वृद्धि के लिए नहीं गिनी जायेगी।

- (3) परीक्षा के दौरान ऐसे व्यक्ति का वेतन, जो पहले से ही स्थायी सरकारी सेवा में है, राज्य के कार्यों से सम्बन्धित सामान्य सेवारत सेवकों पर लागू संगत नियमों द्वारा विनियमित किया जायेगा।

#### भाग- 8

##### अन्य प्राविधान

#### अध्यायचन

- 24 किसी पद पर या सेवा पर लागू नियमावली के अधीन अपेक्षित संस्तुति लिखित या मौखिक पर विचार नहीं किया जायेगा। अभ्यर्थी की ओर से अपनी अभ्यर्थिता के लिये प्रत्यक्ष या परोक्ष रूप से समर्थन प्राप्त करने का कोई प्रयास उसे नियुक्ति के लिये अयोग्य कर देगा।

#### अन्य विषयों का विनियमन

- 25 ऐसे विषयों के संबंध में, जो इन नियमों या विशेष आदेशों के अन्तर्गत नहीं आते सेवा में नियुक्त ऐसे व्यक्ति राज्य के कार्यों से सम्बन्धित सेवारत सरकारी सेवकों पर साधारणतः लागू विनियमों और आदेशों द्वारा विनियमित होंगे।

#### सेवा शर्तों का शिथिलीकरण

- 26 यदि राज्य सरकार का समाधान हो जाय कि सेवा में नियुक्त व्यक्तियों की सेवा शर्तें विनियमित करने वाले किसी नियम के प्रवर्तन से किसी विशिष्ट मामले में अनुसूचित कठिनाई हो सकती है, तो वे इस मामले में लागू नियमावली में किसी बात के होते हुए भी आदेश द्वारा इस सीमा तक तथा ऐसी शर्तों के अधीन इस नियम की अपेक्षाओं से अभिमुक्त कर देगी या शिथिल कर देगी जो वह मामले के सम्बन्ध में न्यायोचित तथा साम्यतापूर्वक कार्यवाही करने के लिए उचित समझे,

परन्तु, यह कि जहाँ कोई नियम आयोग के परामर्श से बनाया गया हो, वहाँ नियम की अपेक्षाओं से अभिमुक्त करने या शिथिल करने से पूर्व आयोग से परामर्श करना होगा।

#### व्यावृत्ति

- 27 इस नियमावली को किसी बात का कोई प्रभाव ऐसे आरक्षण और अन्य रियायतों पर नहीं पड़ेगा, जिनका इस संबंध में सरकार द्वारा समय-समय पर जारी किए गए आदेशों के अनुसार अनुसूचित जातियों, अनुसूचित जनजातियों, अन्य पिछड़े वर्ग तथा अन्य विशेष श्रेणियों के अभ्यर्थियों के लिए उपबंधित किया जाना अपेक्षित हो।

**परिशिष्ट—'क'**

{ नियम-4(2) तथा नियम-22(2) देखिए }

| क्र० सं० | पदनाम                            | वेतनमान  | स्वीकृत पदों की संख्या |
|----------|----------------------------------|--|------------------------|
| 1.       | भेषजिक (फार्मासिस्ट)             | ₹ 35,400—1,12,400, लेवल-6<br>(02 वर्ष की सेवा के उपरान्त)<br>₹ 44,900—1,42,400, लेवल-7 | 15                     |
| 2.       | मुख्य भेषजिक (मुख्य फार्मासिस्ट) | ₹ 56,100—1,77,500, लेवल-10   | 04                     |

आज्ञा से,

आनन्द बर्द्धन,

प्रमुख सचिव।

In pursuance of the provisions of clause (3) of Article 348 of "the Constitution of India", the Governor is pleased to order the publication of the following English translation of the Notification **No. 662/XX-4/2018-45(Karagar)/2016**, Dated April 06, 2018 for General information.

**NOTIFICATION**

April 06, 2018

**No. 662/XX-4/2018-45(Karagar)/2016**--In exercise of the powers conferred by the proviso to Article 309 of the Constitution of India and in supersession of all existing rules and order on the subject, the Governor is pleased to make the following Rules regulating recruitment and conditions of service of persons appointed to the Uttarakhand Jail Department Pharmacist/Chief Pharmacist Service.

**UTTARAKHAND JAIL DEPARTMENT PHARMACIST/CHIEF PHARMACIST SERVICE RULE, 2018****PART-1****GENERAL****Short title and commencement**

- (1) These Rules may be called Uttarakhand Jail Department Pharmacist/Chief Pharmacist Service Rule, 2018.
- (2) These rules shall come into force at once.

**Status of the Service**

- The Uttarakhand Jail Department pharmacist and Uttarakhand Jail Department Chief pharmacist services are such as service in which there are Group 'B' & Group 'C' Posts are included.

**Definitions**

- In these rules unless there is anything repugnant in the subject or content.
  - 'Appointing Authority' means Inspector General of Jail, Uttarakhand in case of Pharmacist and Principal Secretary/Secretary Home Department Uttarakhand Government in case of Chief Pharmacist;
  - 'Citizen of India' means a person who is or is deemed to be a citizen of India under Part II of the Constitution'
  - 'Commission' means the Uttarakhand Subordinate Service Commission";
  - 'Constitution' means the Constitution of India;
  - 'Government' means the State Government of Uttarakhand;
  - 'Governor' means the Governor of Uttarakhand;
  - 'Member of the Service' means a person substantively appointed under these rules of or order in force prior to the commencement of these rules to a post in the cadre of the service;
  - 'Service' means the Uttarakhand Jail Pharmacist service;



- (i) 'Substantive appointment' means an appointment, not being an ad hoc appointment, on a post in the cadre of the service and made after selection in accordance with the rules and, if there were no rules, in accordance, with the procedure prescribed for the time being by executive instruction issued by the Government; and
- (j) 'Year of recruitment' means a period of twelve months commencing from the first day of July of a calendar year.

## PART-2

## CADRE

## Cadre of Service

4. (1) The strength of the service and of each category of posts therein shall be such as may be determined by the Government from time to time.
- (2) The strength of the service and each category of posts therein, until orders varying the same are passed under sub-rule(1) shall remain same as given in Appendix 'A'; Provided that--
  - (i) The appointing authority may leave unfilled or the Governor may hold in abeyance any vacant post, without thereby entitling any person to compensation;
  - (ii) The Governor may create such additional permanent and temporary post as he may deems fit.

## PART-3

## RECRUITMENT

## Source of Recruitment

5. Recruitment to the various categories of the post in the service shall be made from the following sources--
  - (1) Chief Pharmacist--Recruitment by promotion to the post of Pharmacist, who has completed his minimum 12 years service, by Departmental Selection Committee on the basis of seniority.
  - (2) Pharmacist--By direct recruitment through Uttarakhand Subordinate Service Commission.

## Reservation

6. Reservation for the candidates belonging to Schedule Castes, Scheduled tribe, Other backward classes and other Categories belonging to the State of Uttarakhand shall be accordance with the order of the Government in force at the time of the recruitment.

## PART-4

## QUALIFICATION

## Nationality

7. A candidate for direct recruitment to a post in the service must be--
  - (a) A citizen of India; or
  - (b) A Tibetan refugee who came over to India before the 1<sup>st</sup> January, 1962 with the intention of permanently settling in India; or
  - (c) A person of Indian origin has migrated from Pakistan, Burma, Srilanka or any of the East African countries of Kenya, Uganda and the United Republic of Tanzania (formally Tanganyika and Zanzibar) with the intention of permanently settling in India.

Provided that a candidate belonging to category (b) or (c) above, must be a person in whose favour a certificate of eligibility has been issued by the State Government

Provided further that a candidate belonging to category (b) will also be required to obtain a certificate of eligibility, granted by the Deputy Inspector General of Police, Intelligence Branch Uttarakhand :

Provided also that if a candidate belongs to category (c) above, no certificate of eligibility will be issued for a period of more than one year and the retention of such a candidate in service beyond a period of one year, shall be subject to his acquiring Indian citizenship.

**NOTE**--A candidate in whose case a certificate of eligibility is necessary but the same has neither been issued nor refused, may be admitted to an examination or interview and he may also be provisionally appointed subject to the necessary certificate being obtained by him or issued in his favour.

**Academic  
Qualification**

8. A candidate for the direct recruitment to the post of Pharmacist should possess the following qualifications :

- (i) It is necessary to pass intermediate exam with biology or mathematics from Board of Secondary Education, Uttarakhand or any equivalent exam recognized by the government.
- (ii) For direct recruitment on posts in the service, it is necessary that the candidate holds a pharmacy diploma from a recognized institution and also registered in state pharmacy council Uttarakhand.
- (iii) Working knowledge of Hindi in Devnagri script.

**Preferential  
Qualification**

9. A candidate, who has--

- (i) Served in the Territorial Army for a minimum period of two years, or
- (ii) Obtained a 'B' certificate of National Cadet Corps, shall be given preference.

**Mandatory/  
Desirable  
Qualification**

10. For direct recruitment this is mandatory that the candidate name shall be registered in any employment office of Uttarakhand State..

**Age**

11. A candidate for direct recruitment if Posts are advertised between 01 January to 30 June, than 01 January of the year of recruitment, must have attained the age 21 years and must not have attained the age of more than 42 years and if posts are advertised between 01 July to 31 December, then on 01 July of the year of recruitment, must have attained the age of 21 years and must not have attained the age of more than 42 years;

Provided that the upper age limit in the case of candidates belonging to the Scheduled Caste, Scheduled Tribes, Other Backward Classes and such other categories as may be notified by the Government from time to time shall be increased by such number of years as may be prescribed.

**Character**

12. The character of a candidate for direct recruitment to a post in the service must be such as to render him suitable in all respect for employment in Government service. The appointing authority shall satisfy itself on this point.

**Note**--Person dismissed by the union Government or a State Government or by a Local Authority or a Corporation or Body owned or controlled by the Union government or a State Government shall be ineligible for appointment to any post in the Service. Persons convicted of an offence involving moral turpitude shall also be ineligible.

**Marital Status**

13. A Male candidate who has more than one wife living and a female candidate who has more than one husband living or shall not be eligible for appointment to a post in the service;

Provided that the Government may, if satisfy that there exist special grounds for doing so, exempt any male or female from the operation of this rule.

**Physical Fitness**

14. No candidate shall be appointed to a post in the service unless he be in good mental and bodily health and free from any physical defect likely to interfere with the efficient performance of his duties. Before a candidate is finally approved for appointment he shall be required:--

In the case of Services it is required to produce a Medical Certificate of fitness in accordance with the rules framed under Fundamental rule 10, contained in chapter III of the Financial Handbook, Volume II, Part III;

Provided that a medical certificate of fitness shall not be required from a candidate recruited by promotion.

Provided further that disabled person shall not be denied to appoint on the post identified for this purpose in order of section 33 and in categories identified under section 34 of "The person with Disability Act, 2016 (central act no. 49, year 2016)".

## PART-5

## PROCEDURE FOR RECRUITMENT

**Determination of vacancies**

15. The Appointing Authority shall determine the number of vacancies to be filled during the course of the years as also the number of vacancies to be reserved for candidate belonging to the Scheduled Castes, Scheduled Tribes, Other Backward Classes and other Categories belonging to the State of Uttarakhand under rule 6 and shall intimate to commission.

**Procedure of Direct Recruitment**

16. (1) The direct recruitment of posts of Group 'C' (Outside the Purview of Uttarakhand Public Service Commission) by Uttarakhand Subordinate Service Selection Commission shall be done under Recruitment rule, 2008 as amended.
- (2) Appointing Authority shall provide requisition for recruitment to the Uttarakhand Subordinate Service Selection Commission in prescribed proforma computing the vacant post. Wherein reserved post proportional to the vertical and horizontal reservation shall be computed only.
- (3) Uttarakhand Subordinate Service Selection Commission after publication of the advertisement, shall complete the selection process under this Rule and submit his recommendation to Appointing Authority.

**Procedure of recruitment of Chief Pharmacist by Promotion**

17. (1) Uttarakhand Departmental Promotion Committee shall be constituted through the departmental selection committee constituted in accordance with the provisions of Rules, 2002 for the post of outside the Preview of Public Service Commission.
- (2) The Appointing Authority shall prepare an eligibility list of (for the post of outside the Preview of Public Service Commission) Rules, 2002 the candidates arranged in order of seniority and place it before the Selection Committee along with their character rolls and such other record, pertaining to them, as may be considered proper.
- (3) The Departmental Selection Committee shall consider the cases of candidates on the basis of the records, referred to in sub-rule (2), and, if it considers necessary, it may interview the candidates also.
- (4) The Departmental Selection Committee shall prepare a list of selected candidates and forward the same to the Appointing Authority.

## PART-6

## APPOINTMENT, PROBATION, CONFIRMATION AND SENIORITY

**Appointment**

18. The Appointing Authority shall make appointment by taking the names of candidate in the order in which they stand in the list prepare under rule 15.

**Probation**

19. (1) A person on appointment to a post or service in or against a permanent vacancy shall be placed on probation for a period of two years.
- (2) The Appointing Authority may, for reasons to be recorded, extend the period of probation in individual cases, specifying the date upto which the extension is granted.

Provided that, save in exceptional circumstances, the period of probation shall not be extended beyond one year and in no circumstances beyond two years.

- (3) If it appears to the Appointing Authority at any time during or at the end of the period of probation and extend period of probation that a probationer has not made sufficient use of his opportunities or has otherwise failed to give satisfaction he may be reverted to his substantive post, if any and if he does not hold a lien on any post, his service may be dispensed.
- (4) A probationer, who is reverted or whose service are dispensed with under sub-rule(3) shall not be entitled to any compensation.
- (5) The Appointing Authority may allow continuous service, rendered in an officiating or temporary capacity in a post including in the cadre or any other equivalent or higher post, to be taken into account for the purpose of computing the period of probation.

**Confirmation**

20. A probationer shall be confirmed in his appointment at the end of the period of probation or the extended period of the probation--
  - (a) His work and conduct is reported to be satisfactory.
  - (b) His integrity is certified, and
  - (c) The Appointing Authority is satisfied that he is otherwise fit for confirmation.

**Seniority**

21. Seniority of substantively appointed people may be determined by the applicable Uttarakhand Government Servant Seniority Rule, 2002 from time to time.

**PART-7****PAY ETC.****Pay Scale**

22. (1) The pay scale admissible to person appointed to various category of post shall be as such as may be determined by the Government from time to time.
- (2) The pay scale at the time of commencement of this rule is given in Appendix 'A'

**Pay during probation**

23. (1) Notwithstanding any provision in the Fundamental Rules to the contrary, a person on probation, if he is not already in permanent Government service, shall be allowed his first increment in the time scale when he has completed one year of satisfactory service has passed departmental examination and undergone training where prescribed and second increment after two years service when he has completed the probationary period and is also confirmed.

Provided that if the period of probation is extended on account of failure to give satisfaction such extension shall not be counted for increment unless the appointing authority directs otherwise.

- (2) The pay during promotion of a person, who was already holding a post under the Government shall be regulated by the relevant fundamental Rules.

Provided that if the period of probation is extended on account of failure to give satisfaction such extension shall not be counted for increment unless the appointing authority directs otherwise.

- (3) The pay during probation of a person already in permanent government service shall be regulated by the relevant Rules, applicable generally to Government Servants serving in connection with the affairs of the State.

## PART-8

## OTHER PROVISIONS

## Canvassing

24. No recommendations, either written or oral, other than those required under these rules applicable to the post or Service will be taken into consideration. Any attempt on the part of a candidate to enlist support directly or indirectly for his candidature will disqualify him for appointment.

## Regulation of other matters

25. In regard to the matters not specifically covered by these rules or by special orders, persons appointed to the Service shall be governed by the rules, regulations and orders applicable generally to Government servants serving in connection with the affairs of the state.

## Relaxation from the condition of service

26. Where the State Government is satisfied that the operation of any rule regulating the conditions of Service of person appointed to the Service causes undue hardship in any particular case, it may, notwithstanding anything contained in the rules applicable to the case, by order, dispense with or relax the requirements of that rule to such extent and subject to such conditions as it may consider necessary for dealing with the case in a just and equitable manner;

Provided that if a rule was framed in consultation with the Commission the requirements of that rule shall not be dispensed with or relaxed without the Commission being consulted before hand.

## Savings

27. Nothing in these Rules shall affect reservations and other concessions required to be provided for the candidate belonging to the scheduled castes, scheduled tribes and other special categories of person in accordance with the orders of the Government issued from time to time in this regard.

## APPENDIX-'A'

{{ See Rule 4(2) and Rule-22(2)}}

| Sl. No. | Name of Post     | Pay Scale                   | Sanctioned Post |
|---------|------------------|-----------------------------|-----------------|
| 1.      | Pharmacist       | ₹ 35,400-1,12,400, Level-6  | 15              |
|         |                  | (After 02 Year Service)     |                 |
|         |                  | ₹ 44,900-1,42,400, Level-7  |                 |
| 2.      | Chief Pharmacist | ₹ 56,100-1,77,500, Level-10 | 04              |

By Order,

ANAND BARDHAN,

Principal Secretary.



## कृषि एवं कृषि विपणन विभाग

## अधिसूचना

28 मार्च, 2018 ई०

संख्या 279/XIII-II/2018-61(कृषि)/2001—श्री राज्यपाल महोदय, उत्तर प्रदेश कृषि एवं प्रौद्योगिक विश्वविद्यालय अधिनियम, 1958 (उत्तराखण्ड में यथाप्रवृत्त) की धारा 10 की उपधारा (1) के खण्ड (झ) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, निम्नांकित महानुभावों को उनके नाम के सम्मुख अंकित श्रेणियों में गो०ब०पन्त कृषि एवं प्रौद्योगिक विश्वविद्यालय, पन्तनगर (ऊधमसिंह नगर) की प्रबन्ध परिषद् के सदस्य के रूप में नामित किए जाने की सहर्ष स्वीकृति प्रदान करते हैं:—

| क्र० सं० | नामित व्यक्ति का नाम/पता  | अधिनियम, 1958<br>की धारा | श्रेणी                          |
|----------|---|--------------------------|---------------------------------|
| 1        | 2   | 3                        | 4                               |
| 1.       | श्री सुधीर चड्ढा सीड फार्म, पो०ऑ०—चकलुआ,<br>जिला—नैनीताल  | 10(1)(झ)(4)              | प्रतिष्ठित उद्योगपति            |
| 2.       | प्रो० ए० एन० मुखोपाध्याय, पूर्व अधिष्ठाता, कृषि<br>गो० ब० पन्तनगर, विश्वविद्यालय व निदेशक,<br>आई० सी० ए० आर०—आई० आई० एस० आर०,<br>लखनऊ | 10(1)(झ)(1)              | प्रख्यात कृषि वैज्ञानिक         |
| 3.       | डा० एस० एस० बिष्ट, से० नि० निदेशक,<br>पशुपालन, उत्तराखण्ड   | 10(1)(झ)(3)              | पशु प्रजनक                      |
| 4.       | श्रीमती विनीता बिष्ट, ब्लॉक प्रमुख,<br>विकास खण्ड, नरेन्द्रनगर  | 10(1)(झ)(5)              | प्रतिष्ठित महिला<br>समाज सेविका |

2. श्री राज्यपाल महोदय, उक्त अधिनियम की धारा 10 की उपधारा (4) के अधीन उक्त सदस्यों का कार्यकाल अधिसूचना निर्गत होने की तिथि से 03 वर्ष भी नियत करते हैं।

आज्ञा से,

डी० सेन्थिल पाण्डेयन,  
सचिव।



# सरकारी गजट, उत्तराखण्ड

उत्तराखण्ड सरकार द्वारा प्रकाशित

रुड़की, शनिवार, दिनांक 21 अप्रैल, 2018 ई0 (बैशाख 01, 1940 शक सम्वत्)

भाग 1—क

नियम, कार्य-विधियां, आज्ञाएं, विज्ञप्तियां इत्यादि जिनको उत्तराखण्ड के राज्यपाल महोदय, विभिन्न विभागों के अध्यक्ष तथा राजस्व परिषद् ने जारी किया

**UTTARAKHAND ELECTRICITY REGULATORY COMMISSION**

**NOTIFICATION**

**March 31, 2018**

**Uttarakhand Electricity Regulatory Commission (Distribution Code) Regulations, 2018**

**No F-(9)27/RG/UERC/2018/2016**—In exercise of the powers conferred on it by Section 181 of The Electricity Act 2003, read with clause (c), (e) and (i) of sub-section 1 of Section 86 of the said Act and clause 18 of Distribution and Retail Supply Licence issued to the Distribution Licensee under Section 14 of the Act and all powers enabling it in that behalf, the Uttarakhand Electricity Regulatory Commission hereby makes the following Regulations:

## CHAPTER 1

### GENERAL

#### 1.1 Short Title, Commencement and Interpretation

- (1) These Regulations may be called the "Uttarakhand Electricity Regulatory Commission (Distribution Code) Regulations, 2018".
- (2) This Regulation shall be applicable to all Distribution System participants including:
  - (a) Distribution Licensee(s) {including deemed licensee(s)};
  - (b) Open Access Customers connected to Distribution Systems;
  - (c) Other Distribution Licensee connected to Distribution Systems;
  - (d) Institutions covered under proviso 8 of section 14 of the Act;
  - (e) Embedded Generators; and
  - (f) Consumers
- (3) These Regulations shall come into force on the date of the publication in the official Gazette replacing "Uttarakhand Electricity Regulatory Commission (Distribution Code) Regulations, 2007" thereof.

- (4) These Regulations shall be interpreted and implemented in accordance with, and not at variance from, the provisions of The Electricity Act, 2003 read with the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 as amended from time to time and any other regulations issued by Central Electricity Authority in this regard

## 1.2. Definitions :

- (1) In the Distribution Code the following words and expressions shall, unless the subject matter or context otherwise requires or is inconsistent therewith, bear the following meanings:

- (a) "Act" means The Electricity Act, 2003 (Act no. 36 of 2003).
- (b) "Agreement" means an agreement entered into by the Distribution Licensee and the User.
- (c) "Apparatus" means electrical apparatus and includes all machines, fittings, accessories and appliances connected to the Electrical Distribution System.
- (d) "Area of Supply" means the geographic area within which Licensee is for the time being authorized by his licence to supply electrical energy.
- (e) "CBIP" means Central Board of Irrigation and Power
- (f) "CEA" means Central Electricity Authority
- (g) "Circuit" means an arrangement of conductor(s) for the purpose of conveying electrical energy and forming a system or a branch of system.
- (h) "Commission" means Uttarakhand Electricity Regulatory Commission.
- (i) "Conductor" means any wire, cable, bar, tube, rail or plate used for conducting energy and electrically connected to the system.
- (j) "Connected Load" means aggregate of the manufacture's rating of all energy consuming apparatus duly wired and connected to the power supply system of licensee including portable apparatus in the consumer's premises. This shall not include the load of spare plug, sockets, load exclusively installed for fire fighting purposes. The load of either water and room heating or room cooling apparatus, whichever is higher, shall be taken into account as per prevailing season (1st April to 30th September for cooling use and 1st October to 31st March for heating use).

The definition of connected load shall be used only for the purpose of assessment in case of direct theft or dishonest abstraction of energy or unauthorised use of energy.

- (k) "Control Person" means a person identified as having technical capability and responsibility for cross boundary safety.
- (l) "DCR" means Distribution Code Review.
- (m) "DCRP" means Distribution Code Review Panel.
- (n) "Embedded" means having a direct electrical connection to an intra state electrical system.
- (o) "Extra High Tension (EHT) or Extra High Voltage (EHV)" means where the voltage exceeds 33,000 volts under normal conditions, subject to the percentage variation permissible;
- (p) "GSS" means Grid Sub-station.
- (q) "Harmonics" means a component of a periodic wave having frequency that is an integral multiple of the fundamental power line frequency of 50 Hz causing distortion to pure sinusoidal waveform of voltage or current, and as governed by IEEE STD 519-1992, namely "IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems" and CEA Safety Regulations/Grid Standards as amended from time to time.
- (r) "High Tension (HT) or High Voltage (HV)" means the voltage between 650 volts and upto 33000 Volts under normal conditions, subject to the percentage variation permissible.

- (s) "Indian Standards (IS)" means those Standards and specifications approved by the Bureau of Indian Standards.
- (t) "Interface Point"/"Connection Point"/"Boundary Point" means point at which a User's electrical system is connected to the Licensee's Distribution System.
- (u) "Low Tension (LT) or Low Voltage (LV)" means the voltage of 230 volts between phase and neutral or 400 volts between any two phases under normal conditions, subject to the percentage variation permissible.
- (v) "Power Factor" means the ratio of Active Power (kW) to Apparent Power (KVA).
- (w) "PTW" means permit to work.
- (x) "REC" means Rural Electrification Corporation.
- (y) "Transmission System" means the system consisting of extra high voltage electric lines being operated at EHT (excluding generator interconnection facilities) owned and/or operated by the Transmission Licensee for the purposes of the transmission of electricity from one power station to a sub-station or to another power station or between sub-stations or to or from any external interconnection equipment up to the interconnection with the distribution system, any plant and apparatus and meters owned or used by the Transmission Licensee in connection with the transmission of electricity, but shall not include any part of the Licensee distribution system.
- (z) "User" means any person having electrical interface with, or using the Distribution System of the Distribution Licensee to whom this Code is applicable. Any other Distribution Licensee, Transmission Licensee and generating units connected to the Distribution system are also included in this term.
- (aa) All Words and expressions used and not defined in these regulations but defined in The Electricity Act, 2003 shall have the meanings as assigned to them in the said Act.

### 1.3. Objectives :

- (1) To ensure that distribution system is developed and maintained in an efficient, coordinated and economical manner and the Distribution Licensee and all Distribution System Users comply with respective obligations as specified in the Act.
- (2) The Distribution Code brings together a single set of regulations, for using the Distribution network and provides the following:
  - (a) Technical aspects of working relationship between the Licensee's Distribution system and to those connected and seeking connection to it.
  - (b) Facilitation of the operation, maintenance, development and planning of economic and reliable power distribution network.
  - (c) Safety and Protection parameters to be followed by the distribution licensee and users.

### 1.4. Scope of Distribution Code :

- (1) The Distribution Code shall cover all material technical aspects relating to connections to and the operation and use of the Distribution System including the operation of the electrical lines and electrical plant and apparatus connected to the Distribution System in so far as relevant to the operation and use of the Distribution System and shall include:
  - (a) Distribution planning and connection code containing connection conditions specifying the technical, design and operational criteria to be complied with by any person connected or seeking connection with the Licensee's Distribution System and planning codes specifying the plan required for laying the distribution lines and the services lines in the Area of Supply, the technical and design criteria and procedures to be applied by the Distribution Licensee in the planning and development of the Licensee's Distribution System; and

- (b) A distribution operation code specifying the conditions under which the Distribution Licensee shall operate its Distribution System and under which persons shall operate their plant and/or Distribution System in relation to the Licensee's Distribution System, in so far as necessary to protect the security and quality of supply and safe operation of the Licensee's Distribution System under both normal and abnormal operating conditions.
- (2) The Distribution Code is not exhaustive as to the requirements to be complied with by the Distribution Licensee and the Users connected or seeking connection to the Licensee's Distribution System. The Distribution Licensee and all Users/Consumers must also comply with the requirement as laid down in various codes, standard and regulations under relevant laws in force.
- (3) The Distribution Code also deals in terms of distribution management in the event of outages and shortages of Electricity Supply and distribution thereof amongst all the categories of consumers as per the system network requirement. However, consumers having captive power plants shall come to the rescue of the Distribution licensee as first priority in the event of outages and shortages and resort to load shedding immediately on instructions from the Distribution licensee/SLDC.
- (4) This Distribution Code shall include:--
  - (a) Management of Distribution Code
  - (b) Distribution System Planning Code
  - (c) Connectivity Conditions
  - (d) Operation Code
  - (e) Distribution Protection Requirement
  - (f) Cross Boundary Safety Code
  - (g) Incident/Accident Reporting

#### **1.5. Implementation and Operation of the Distribution Code :**

- (1) The Distribution Licensee shall be responsible for its implementation within its Area of Supply. Users shall comply with the provisions of this code.
- (2) If any User has any difficulty in complying with any of the provisions of the Distribution Code, he shall immediately, inform to the Distribution Licensee and/ or Commission, as the case may be.
- (3) Any continued non compliance, without reasonable grounds shall constitute a deviation under the Act, and may lead to disconnection of the User's plant or apparatus in line with the provisions of The Electricity Act, 2003 from the Licensee's Distribution System. The responsibility for the consequences of disconnection including payment of damages and others rests with the User(s) who consistently violates the Distribution Code.
- (4) Non-compliance with any provision of the Distribution Code by the Distribution Licensee shall attract the consequences as provided in the Acts or in the Licence. However, in the event of non-compliance with the Distribution Code, the Distribution Licensee shall prepare and submit to the Commission an action plan for ensuring the compliance of the provisions of the Distribution Code. The Commission may exempt Distribution Licensee from compliance of any provisions for a particular period, if it is found that the compliance is not feasible for such period, considering the resources available and the circumstances prevailing.

#### **1.6. Limitations of the Distribution Code**

- (1) Nothing contained in this Code should be interpreted as imposing obligations/duties on Consumers/ Distribution Licensees greater or more onerous than those mentioned in The Electricity Act, 2003 under relevant sections.



- (2) The Distribution Code contains procedures for the management of day to day technical situations in the Distribution System, taking into account a wide range of operational conditions likely to be encountered under both normal and abnormal conditions. The Distribution Code cannot foresee all the possible operating conditions. Users must therefore understand and accept that the Distribution Licensee, in such unforeseen circumstances, may be required to act decisively and with due expedition to discharge his obligations under the Licence. Users shall provide such reasonable co-operation and assistance as the Distribution Licensee may require in such circumstances. The concerned Distribution Licensee shall however refer all such cases for ratification in the next meeting of the Distribution Code Review Panel as described under Chapter 2 of the code-'Management of Distribution Code'.

#### **1.7. Confidentiality :**

Under the terms of Distribution Code, the Distribution Licensee will receive information from Users relating to their business. The Distribution Licensee shall not, other than as required by Distribution Code, disclose such information to any other person without the prior written consent of such informant, unless required by Central/State government departments or the authority.

#### **1.8. Procedures to settle disputes :**

In the event of any dispute regarding interpretation of any regulations provided in the Distribution Code between any User and the Distribution Licensee, the matter shall be referred to the Distribution Code Review Panel and thereafter to Uttarakhand Electricity Regulatory Commission. Commission's decision shall be final and binding on both the parties

### **CHAPTER 2**

#### **MANAGEMENT OF DISTRIBUTION CODE**

##### **2.1 Introduction**

This chapter defines the method of managing Distribution Code, pursuing of any changes/modifications required and the responsibilities of the Distribution Licensees and the Users in this regard. This section facilitates revisions taking into account the views of all parties in an equitable manner.

##### **2.2 Objective**

The objective of this chapter is to define the functions of the Distribution Code Review Panel and procedure for review and revision of the Distribution Code.

##### **2.3 Distribution Code Review Panel**

- (1) A standing body called Distribution Code Review Panel (DCRP) shall be constituted by the Commission comprising of the representatives of Distribution Licensee as well as the Users of the Distribution System in line with the provisions of this Code.
- (2) No change in this Distribution Code, shall be made without being deliberated upon and agreed to by the Distribution Code Review Panel and thereafter approved by Commission. However, in an unusual situation where normal day-to-day operation is not possible without revision in some of the provisions of the regulations of Distribution Code, a provisional revision may be implemented before approval of Commission is received, but only after discussion at a special Review Panel Meeting convened on emergency basis. Commission should promptly be intimated about the provisional revision. Commission may issue directions required to revise the Distribution Code accordingly as may be specified in those directions and the Distribution Licensee shall promptly comply with any such directions.
- (3) The Distribution Code Review Panel shall be composed of the following members, who shall be notified by the Commission.
  - (a) Director (Technical/Operation) of Concerned Distribution Licensee(s);
  - (b) Chief Engineer/General Manager level officer from other Distribution Licensee(s) in the State;

- (c) Chief Engineer/General Manager Level officer from STU;
- (d) One member not below the rank of Superintending Engineer/D.G.M. to be nominated by the SLDC;
- (e) One member not below the rank of Chief Engineer/G.M. representing State owned Generating Company;
- (f) One member not below the rank of Chief Engineer/G.M. representing other Generating Companies in the state;
- (g) One member not below the rank of Chief Project Officer representing State Renewable Energy Agency ;
- (h) One member representing open access consumers;
- (i) One member representing Industrial Consumers;
- (j) One member representing Domestic / Commercial consumers;
- (k) One member representing Agriculture Consumers;
- (l) One member representing RE generators in the State;
- (m) One member of State Advisory Committee nominated by the Commission;

#### 2.4. Terms of Office :

The Chairman of the Distribution Code Review Panel shall be Director (Technical / Operation) of Distribution Licensee. The Distribution Code Review Panel shall however be perpetual under the Distribution Code. All members of the Distribution Code Review Panel as mentioned at Sl. No. (a) to (g) shall hold office until changed / replaced by the respective parent organization. All members of the Distribution Code Review Panel as mentioned at Sl. No. (h) to (l) shall hold office in rotation among all such organizations in the State. The term of each such member shall be two (2) years. However, the Commission shall have the powers to increase or decrease the aforementioned tenure.

#### 2.5. DCRP Support Staff and Operating Cost :

The Member from Distribution Licensee holding the office of Chairman of DCRP at a given time shall provide secretarial staff including secretary not below the rank of S.E./D.G.M. required to support DCRP operations. The cost associated with such secretarial assistance shall also be borne by that Distribution Licensee.

#### 2.6. Functions of the Review Panel :

The functions of the Review Panel shall be:

- (1) Maintenance of the Distribution Code and its working under continuous scrutiny and review.
- (2) Consideration of requests for review made by any user and publication of their recommendations for changes in the Distribution Code together with reasons for such changes.
- (3) Provide guidance on interpretation and implementation of the Distribution Code.
- (4) Examination of the problems raised by any User as well as resolution of the problems.
- (5) Ensuring that the changes/modifications proposed in the Distribution Code are consistent and compatible with standard technical manual or guidelines, codes, laws, acts, rules and regulations in force at that point of time.
- (6) Constitution of a sub-committee for detailed study of various matters pertaining to the Distribution Code and circulation of the findings and recommendations to Review Panel Members and the entities concerned.
- (7) Making arrangements for deliberation of the issues (regarding sub committee findings and recommendations) in the Review Panel meetings the time frame, as provided by these sub-committees.
- (8) Holding of meetings as required but at least one meeting shall be held in every three months.
- (9) Holding of meetings by sub-committees including with any User or with groups of Users to prepare proposals for review panel consideration.

**2.7. Review and Revisions :**

- (1) The Users seeking any amendment to the Distribution Code shall send written requests to the Secretary of DCRP of the Review Panel with a copy to the Commission. If the request is sent to the Commission directly, the same shall be forwarded to the Secretary of Review Panel who shall, in consultation with the concerned entities and such other persons as the Commission may direct, review the Distribution Code provisions. The Secretary of DCRP will circulate the proposed changes/modifications to all the panel members for their written comments within a reasonable time frame or the secretary may call for the Review Panel meeting in consultation with the chairman. Based on this interaction/ discussion, the necessary amendments/ revisions may be incorporated in Distribution Code after the approval of Commission.
- (2) The secretary DCRP shall send the following reports to the Commission at the conclusion of each review meeting of the panel:
  - (a) Reports on the outcome of such review.
  - (b) Any proposed revision to the Distribution Code and its rationale.
  - (c) All written representations and objections submitted by the Users at the time of review.
- (3) All revisions to the Distribution Code require the approval of Commission. The secretary DCRP shall publicise revisions to the Distribution Code, after the approval of Commission. The Review Panel may also submit proposals for relaxation in such cases where Users / Distribution Licensees have difficulties in meeting the requirements of the Distribution Code.
- (4) Any change from the previous version shall be clearly marked in the margin. In addition, a revision sheet shall be placed at the front of the revised version, noting the number of every changed Sub-section, together with reasons for such change.
- (5) The secretary DCRP shall maintain copies of the Distribution Code incorporating the latest amendments and shall make it available at a reasonable cost to any person requiring it.
- (6) The Commission, may, on the application of the Distribution Licensee or otherwise, call the emergency meeting of the review panel as and when the situation so dictates and make such alterations and amendments in the Distribution Code as it thinks fit.

**CHAPTER 3****DISTRIBUTION SYSTEM PLANNING CODE****3.1 Introduction :**

- (1) This chapter specifies the guidelines for planning methodology for the Distribution System and covers following:-
  - (a) Load Data
  - (b) Load Forecast
  - (c) Power System Studies and Network Expansion Plan
  - (d) System Adequacy and Redundancy
  - (e) Security Standards
  - (f) Standardization of sub-station layout
  - (g) Standardization of Nomenclatures & Identification Coding
  - (h) Standardization of design of Distribution Transformers
    - (i) BIL & BSL
    - (j) Reactive Compensation & Harmonics
  - (k) Metering
  - (l) Demand Side Management
  - (m) Database Management
  - (n) Energy Audit

- (2) The Distribution System shall be planned and developed in such a way that the system should be capable of catering the requirement of all categories of Consumers with a safe, reliable, economical and quality supply of electricity, and shall take into consideration the future growth requirements. However, the Consumer shall extend full support to the Distribution Licensee to enable the Distribution Licensee for quality supply of electricity. The Distribution System shall conform to the statutory requirements of all the relevant code, standards and acts in force.
- (3) While planning distribution system, Users and Distribution licensee shall fulfil the requirement stipulated in Regulations issued by CEA under sub-section (2) of section 177 of the Act and amendments issued from time to time.

### 3.2. Objectives :

The main objectives of the Distribution System Planning Code are :

- (1) To enable the planning, design and construction of the Distribution System for a safe, reliable and economical operation conforming to Statutory Acts and Rules, which are in force.
- (2) Specify technical conditions to be followed by the respective Distribution Licensees and Users in meeting the standards for an efficient operation of the common electrical interface.
- (3) To prescribe the procedure for the exchange of the system planning data between the Distribution Licensee and the Users for facilitating synchronised planning of the Distribution System at Distribution Licensee and User levels.
- (4) To prescribe the procedure to Distribution Licensee to make Demand Side Management (DSM) an integral part of their day-to-day operations, and undertake planning, designing and implementation of appropriate DSM programmes on a sustainable basis.
- (5) These guidelines of planning cover the individual sub-stations, system planning, analysis and the techno economical aspects in the field of Distribution systems. It applies to all the consumers already connected or awaiting or seeking connection to the distribution system, Distribution Licensees and State Transmission Utility (STU), wherever it is applicable.
- (6) The items mentioned at Regulation 3.1 (1) are discussed in the following paragraphs of this chapter.

### 3.3. Load Data :

- (1) From the metered data collected at each interface point with the transmission system, the Distribution Licensee shall develop load curves for the area fed and also the system load curve for the area of supply in point by applying a suitable diversity factor.
- (2) The Users with Demands of 1 MVA and above shall furnish their load data/characteristic and other relevant details to the Distribution Licensee as detailed in Annexure 1. The Distribution Licensee shall exercise special care to monitor the actual development of loads in respect of Consumers desiring to avail loads of 1 MVA and above at a single point.
- (3) The Distribution Licensee on his part shall maintain relevant data for designing and selecting the electrical equipment, details of metering and relay for purpose of protection and System data in his Distribution System. The Distribution Licensee shall update the system data regularly and at least once a year.

### 3.4. Load Forecast :

- (1) The Distribution Licensee shall formulate a rolling short-term demand forecast annually for a period of five years in his Area of Supply (to enable the STU in drawing down the annual planning process corresponding to a 5-years forward annual plan for intra state transmission system).
- (2) Energy sales in each tariff class shall be projected in the forecast period after considering the previous financial year as base and projecting the demand for the succeeding 5 years – by adopting suitable methodology, such as considering the trend for previous five years and considering the expected economic and social development of various sectors in his Area of Supply in succeeding five years.

- (3) During this process Distribution Licensee shall also review the status of loads materialising as per the previous load forecast. Further these forecasts shall be in line with the plan to be developed at national level by CEA. The Distribution Licensee shall incorporate the variation to the forecast, as and when required.
- (4) The peak load requirements at each Interface Point shall be estimated. However, if the Distribution Licensee receives power at a number of Interface Points in a compact area, which are interconnected in a ring, then the Distribution Licensee shall forward the overall short term Demand forecast at each Interface Point with the variation or tolerance as mutually discussed and agreed upon with the STU.
- (5) Apart from the short term demand forecast for each Interface Point for peak load requirement the Distribution Licensee shall also forward the aggregate energy and peak load demand for Area of Supply on annual basis to the STU, Transmission Licensee (TL) and Commission along with the following details on the basis of which the forecast is made - Data, Methodology and Assumptions.
- (6) The peak load requirement at each Interface Point will essentially ensure that the STU may determine the corrective measures to be taken to maintain the capacity adequacy in the Transmission System up to the Interface Point. This will facilitate the Transmission Licensee to develop the compatible Transmission System.
- (7) The Distribution Licensee shall create a database of loads for each consumer category and for each distribution substation and update it annually.

### **3.5. Power System Studies and Network Expansion Plan :**

- (1) Based on the projected load, the Distribution Licensee shall carry out the power system studies (load flow analysis) before undertaking major distribution expansion plan on long-term time scale. The distribution licensee shall share its findings of the power system studies with the State Transmission Utility on regular basis for better coordinated power system planning.
- (2) The Distribution Licensee shall employ the software tools for distribution network analysis for:
  - (a) Optimum distribution transformer locations;
  - (b) Optimum network of sub-transmission system, primary distribution, LT feeders and substation location;
  - (c) Optimum ratio of the lengths of HT and LT distribution lines;
  - (d) Optimum reactive compensation and Harmonic analysis.

### **3.6. System Adequacy and Redundancy :**

- (1) The Distribution Licensee while planning Distribution System shall take into consideration the adequacy and redundancy of system capacity and capability to allow for long term load growth based on perspective plan and maintaining supply to consumers in the event of forced or planned outage of lines and transformers. The system shall have built in redundancy so that consumers face no interruption in power supply through alternative circuit arrangements.
- (2) Sub-station design shall allow taking out any transformer for maintenance without affecting supply to any area even during peak hours. More than one transformer with smaller capacity to be employed rather than one transformer of large capacity to meet N-1 planning criteria. Alternative circuits shall be planned for important loads. So far as possible, redundancy should be in the system to meet the emergencies and system adequacies shall be taken care of at planning stage of new sub-station(s).
- (3) There shall be at least two numbers of transformers of similar rating in every 33/11 kV Sub-Station.
- (4) In every Sub-Station of capacity 10 MVA and above there shall be a provision for obtaining alternate 33 kV supply to the Sub-Station in case of a failure in the incoming supply.



### 3.7. Security Standards

The Distribution System shall be planned and maintained so as to fulfil the following security standards except under Force Majeure conditions beyond the reasonable control of the Distribution Licensee.

- (1) The feeders, either HT or LT, feeding important loads such as hospitals, crematoria, airports, railway stations, and the like shall be planned to have a selective switching system, so that selective switching can be operated to transfer the load on to an alternate healthy feeder. Appropriate safety precautions shall invariably be taken in this regard. In case of failure of the feeder, these switches shall be operated immediately either manually or automatically depending on the importance of the load
- (2) The rupturing capacity of the switchgear employed in the system shall have at least 25% more capacity than the short circuit level computed even considering the anticipated future development of the system.
- (3) Efforts shall be made for every HT feeder, either primary or secondary, to manually switch over to the immediately available HT feeder of the same voltage class available in the vicinity. Provision shall be made in the design itself for all critical HT feeders to share at least 50% of the loads in the adjacent feeder during emergencies. The same shall be extended to all the HT feeders in a phased manner.
- (4) In case of single contingency; failure of any substation equipment controlling any outgoing 11 kV or 33 kV feeders, the load interrupted shall not generally exceed 20% of the total demand on the substation. It will not be applicable to the remote inaccessible and snowbound area.
- (5) In order to protect important assets of IT infrastructure, all licensees must adhere to IT Security & Audit Policies issued by the government from time to time. All licensees shall conduct Vulnerability Assessment Audit Exercise & implement Information Security Management System (ISMS) in line with the latest information security standards and must establish Disaster Recovery Plan.

### 3.8. Standardisation of Nomenclatures & Identification Coding :

The Distribution Licensee shall prepare equipment nomenclatures and identification equipments for uniquely identifying various equipments in distribution system. The nomenclatures scheme shall be consistent with the scheme provided in the UERC (State Grid Code) Regulations, 2016 as amended from time to time for the intra State Transmission System.

### 3.9. Standardisation of sub-station layouts :

The Distribution Licensee shall develop standard layouts for the Sub-Stations of 33/11 kV and 11/0.4 kV duly complying with the requirements as specified in the Central Electricity Authority (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2010.

- (1) 11 KV/433 V – 3 Phase Distribution Transformer Centers :
  - (a) The Distribution transformers up to 160 KVA capacity other than those meant for indoor application shall normally be pole mounted.
  - (b) The layout of distribution transformer centres shall generally conform to the relevant REC Construction Standards.
  - (c) The distribution transformers shall be located close to the electrical load centre of the load fed by it
  - (d) The distribution transformers above 160 KVA capacity shall be plinth mounted.
  - (e) Suitable measures shall be taken sufficiently in advance, to augment the capacity of the feeders and installation of additional transformer centres in the event the specified voltage regulation limits are exceeded.
- (2) All the 33 KV, and 11 KV feeders and secondary side of Distribution Transformers shall be provided with electronic energy meters having a memory of 15/30 minutes load survey & billing parameters for 65 days with a provision of RS-232 Port to download data from the electronic energy meters.

Provided that electronic energy meters on all the secondary sides of Distribution Transformers shall be provided in Urban areas within 1 year and in Rural areas within 2 years from the date of notification of these Regulations.

### 3.10. Standardisation of design of distribution transformers :

- (1) The size/capacity of distribution transformers shall be as per the relevant Bureau of Indian Standards. While selecting the transformer, due regard should be given to the star ratings issued by the BEE depending upon the field conditions. As an initial step, the various technical parameters required for the design shall be incorporated in the specifications based on the experience gained regarding the performance among the various designs so far adopted. Later, standard designs of the transformers and their detailed construction drawings shall be evolved based on the performance of these transformers. These shall be adopted for future procurement. This also ensures the interchangeability of components of similar transformers manufactured by different manufacturers.

#### (2) *Quality Control & Quality Assurance :*

A strict quality assurance and quality system management shall be enforced to facilitate the quality of equipment and materials. The Quality Management System to be followed shall be built around a philosophy of "prevention" rather "detection and cure". The various steps involved in the Quality System Management are:

- (a) Inclusion of quality requirement in the contract and selection of good quality Vendors/sub-Vendors.
- (b) Approval of unambiguous Manufacturing Quality Plan (MQP).
- (c) Finalization of Field Quality Plan (FQP) ensuring regular, timely and consistent inspection at various stages, viz., raw material, during in- process stage and final inspection and testing prior to dispatch.
- (d) Analyze the equipment failures in association with Engineering & Operation services departments and use feedback for improvement of system.
- (e) Implementation of Quality Systems & Procedures as per ISO – 9001 for system of Vendor and sub-Vendor Approvals.
- (f) The list of approved sub-Vendors are to be maintained for all the equipment, materials supply and erection works irrespective of the fact whether the Technical Qualifying Requirements are specified in the contract or not. The contractors can choose any sub-Vendor from the list of a large number of sub-Vendors, with a full transparency. The list is to be continuously revised based on the feedback obtained from the inspection reports, surveillance audits and failure reports, etc.

#### (3) *Manufacturing Quality Plan*

- (a) A standard format is to be developed for the approval of Manufacturing Quality Plan (MQP) which includes the quality requirements at the raw material stage, in-process testing and final inspection and testing requirements as per technical specifications of the contract and good engineering practices of the industry.
- (b) This document has to be self-sufficient and it should include sample size, acceptance norms, place of testing, requirements of test reports and hold point beyond which the work can progress only after clearance from the utility by standardizing the various testing requirements and procedures. It is to be ensured that it is not biased towards any particular manufacturer. These MQP(s) may be approved for a period of three years instead of approval on contract-to-contract basis.

- (c) A good Quality Assurance Plan (QAP) shall be aimed at the following :
- Good quality of raw materials;
  - Quality control during manufacturing and routine tests;
  - Acceptance tests at the time of taking delivery;
  - Inspection and tests on transformers received at stores on random sampling.

### 3.11. Basic Insulation Level (BIL) and Basic Switching Insulation Level (BSL):

- (1) All the equipment in the Sub-Stations shall be designed to withstand the BIL/BSL values :

| Parameter   | 33kV                   | 11 kV                  | 0.415 kV               |
|---|------------------------|------------------------|------------------------|
| Nominal System Voltage (kV)                                       | 33                     | 11                     | 0.415                  |
| Highest System Voltage (kV)                                       | 36                     | 12                     | 0.450                  |
| System Earthing   | Solidly earthed system | Solidly earthed system | Solidly earthed system |
| Lightning Impulse withstand Voltage (KV Peak) (BIL)               | 170                    | 75                     | -----                  |
| Power Frequency withstand Voltage (KV rms) in dry condition (BSL) | 75                     | 28                     | 3                      |

**Note:--** The values of BIL/BSL given in the table above are for altitude upto 1000 m above MSL. However, for altitudes higher than 1000 m above MSL, BIL/BSL requirements shall be kept higher as per relevant standards and practices.

- The Basic Insulation Level (BIL)/Basic Switching Impulse Insulation Level (BSL) of the equipment to be installed in the distribution system shall be adequate to withstand the lightning/switching surges respectively. Lightning Arresters shall be provided for all the Transformers (33/11 kV and distribution Transformers 11/0.4 KV) and 33 kV and 11 kV lines. The lightning protection system to other equipment in the Sub-Station by shield wires or lightning masts shall be provided.
- Besides the voltage levels mentioned above the Commission may specify other voltage levels to be a part of the Distribution System under extraordinary conditions.

### 3.12. Reactive compensation and Harmonics :

- Shunt capacitors un-switched/switched type, shall be installed at the appropriate places in the Distribution System for minimising reactive power drawl from the grid, power factor improvement, maintaining satisfactory voltage profile and reduction of sub-transmission and Distribution losses. The size and location of the capacitor installations shall be determined using appropriate computer software, with reliable field data. Suitable precautionary measures, such as automatic switching etc., shall be adopted to avoid over voltages during light load periods.
- Optimisation studies of shunt compensation shall be conducted by the Distribution Licensee to determine the most appropriate sizes and locations for shunt capacitor installations.
- The Harmonic measurements shall be carried out periodically by the Distribution Licensee and action taken to reduce the harmonics accordingly.
- The total harmonic distortion for voltage and connection point shall not exceed 5% with no individual harmonic higher than 3%.
- The total harmonic distortion for current drawn from the transmission system at the connection point shall not exceed 8%.
- The respective User responsible for generating harmonics adversely affecting the distribution system shall be responsible for appropriate correction.
- The measurement of harmonics and analysis should generally be in accordance with IEEE 519 guidelines or the regulations specified by the CEA.

**3.13. Metering**

- (1) All interface meters, consumer meters and energy accounting and audit meters shall be installed and operated in conformance with the Central Electricity Authority (Installation & Operation of Meters) Regulations, 2006/ Metering Communication & Data Acquisition Requirements (MCDAR) for Intra-State Power System of Uttarakhand as amended from time to time.
- (2) The renewable energy generators connected to the distribution network are required to provide and maintain meters & communication system for ensuring transfer of data to SLDC in accordance with the CEA Regulations and directions issued by CEA/Commission from time to time.
- (3) The metering for 230 V single-phase supply shall be provided on a board or within a suitable box located in such a place protected from sun and rain and shall be in a convenient position for taking readings. The terminals of the meter shall be made tamper-proof and sealed. For 400 Volts three phase supply, the meters and associated metering equipment including connections shall be enclosed in a suitable tamper-proof box. The tamper-proof box shall be of sufficient strength and design with locking and sealing devices and shall have adequate provision for heat dissipation with the required electrical clearances. The design shall permit readings to be taken without access to its connections.
- (4) For HT Consumers the meters, maximum demand indicators shall be housed in a separate metering compartment and secondary apparatus such as instrument transformers and connections required shall be housed in a separate compartment, which shall be locked/sealed to prevent tampering.
- (5) The HT metering cubicle shall be suitable for cable entry on both sides or at least on one side. No fuses are permitted in the secondary circuits of the instrument transformers. The metering cubicle shall be painted with suitable epoxy paint for installation in snow bound areas and other areas experiencing heavy rainfall. The instrument transformers shall be of fixed ratio and shall not have any taps. The primary current rating of the current transformers shall match with the normal full load current and the saturation point of the core shall be higher than the maximum current that may occur due to simultaneous full load operation of all the connected equipment and machinery.
- (6) For HT and EHT Consumers, the secondary terminals of the instrument transformers shall be locked and sealed and the secondary wires brought out in a suitable GI conduit pipe up to the metering panel. There shall be no joints in the conduit pipes. The meters shall be as close to the instrument transformers as possible and in no case shall exceed ten (10) meters. The metering panel shall be housed in a weatherproof and tamperproof box and sealed in conformance with the Central Electricity Authority (Installation & Operation of Meters) Regulations, 2006/ Metering Communication & Data Acquisition Requirements (MCDAR) for Intra-State Power System of Uttarakhand as amended from time to time.
- (7) Provision for remote/automatic meter reading of LT, HT and EHT installations shall be provided as required by the system operator or wherever considered necessary by the Distribution Licensee.
- (8) Prepaid meters installed at the consumer premises should be capable of updating of prepaid softwares/logics and in no way should cause any hindrance in implementation of annual tariff revisions.

**3.14. Demand Side Management (DSM)**

- (1) The DSM objectives, for advancement and implementation of cost effective DSM initiatives in the State are sought to be achieved through , but not limited, to the following:--
  - (a) To make DSM an integral part of the day to day operations of the Distribution Licensee with the objective of improving end use efficiency of electricity, environmental conservation and cost reduction.

- (b) To promote and implement Load Shifting, Power Shortage Mitigation, seasonal peak reduction, cost effective energy savings, lowering the cost of electricity, reduction in emissions of greenhouse gases and pricing initiative i.e. Time of Use / Seasonal etc.
  - (c) To complement supply side strategies in order to avoid, reduce or postpone investments in generation, transmission and distribution infrastructure.
  - (d) To reduce transmission and distribution losses through implementation of end use energy efficiency programmes in areas reporting high AT&C losses.
  - (e) To reduce the environmental damage by reducing the emission of green house gases.
  - (f) To encourage consumers to revise their electricity consumption pattern both with respect to timing and level of electricity demand for efficient use of energy.
  - (g) To promote the use, and create awareness about Solar Pumps, Solar Lights, LED lamps etc.
- (2) DSM Plan and Programme preparation, submission and approval by the Commission :
- (a) Distribution Licensee shall formulate a perspective DSM Plan and submit the same to the Commission for in-principle approval for the specified period and as per the time lines that may be specified by the Commission from time to time;
  - (b) The perspective DSM plan shall include:
    - (i) A section outlining the goals sought to be achieved in the specified period
    - (ii) Annual DSM Plan for each year of the perspective plan period containing description of DSM programmes proposed to be undertaken and its prioritisation along with programme wise details like:--
      - indicative cost & its cost effectiveness pursuant to these Regulations and any guidelines issued by the Commission from time to time;
      - indicative baseline data and expected reduction in tariff and/or gain in energy efficiency;
      - consumer segments and estimated level of participation;
      - Implementation strategy and schedule including process / mechanism for execution e.g. Energy Service Companies, Bidding for DSM Projects, DSM Resource Acquisition, etc.;
      - expected payback period and mechanism for recovery of cost and performance incentives;
    - (iii) Mechanism for Monitoring, evaluation and reporting of perspective plan and annual plan/programmes;
    - (iv) Programme/Plan for Training/Seminars/Workshops to increase consumer awareness.

### 3.15. Database Management :

- (1) The availability of accurate and reliable data is essential for planning and development of the Distribution System on long-term basis. Data management system facilitates storage, retrieval and updating of data for complying with the requirements of the Distribution Code and for other purposes like power system studies.
- (2) The embedded generators connected with distribution system or seeking new connections shall furnish planning data in format specified at Annexure-2. The large consumers connected to or seeking connection to HT or EHT and having connected load of 1 MVA or above shall furnish planning data in prescribed manner as at Annexure-1 for long term planning by Distribution Licensee. Distribution Licensee shall supply system data to the Users, embedded generators and large consumers, wherever required for their planning purpose as per format at Annexure-3.



- (3) A well maintained Data Management System would facilitate exchange of data between Users and Distribution Licensee required for long-term planning and distribution operation in an accurate and reliable manner. This will also help in Users, Large Consumers, open access customers and embedded generators to have access to data, which they may require for their planning purpose.
- (4) *Consumer Indexing :*
  - (a) The last mile of a distribution network is the pole or support in overhead system or the service pillar/feeder pillar box in underground cable distribution system. Hence, the consumer indexing has to be done with respect to the last mile of the distribution network. The integration of consumer indexing /information with distribution transformer wise in a distribution network system is key to providing good consumer services.
  - (b) The integration of consumer index with the distribution network will help the distribution licensee to operate the distribution network better in the manner to simulate the network to estimate the voltage profile across the network and identify low voltage pockets without actually visiting consumer installation and measuring voltages. This will also facilitate distribution licensee in conducting energy audit by estimating correctly the energy sales on the 11 kV Feeder / distribution transformer and account for energy supplied to the 11 kV Feeder / distribution transformer.

### 3.16. Energy Audit :

- (1) The Distribution Licensee shall create responsibility centres for energy audit. Distribution sub-Division in charge and Division in charge shall be made as responsibility centres and accountable for the energy input and sales in their respective areas. They shall also compute month / year wise distribution losses and prepare energy balance sheets of their respective areas.
- (2) The Distribution Licensee shall establish and maintain a system for segregation of technical and commercial losses through energy audits. Interface meters capable of data retaining capacity of at least 65 days shall be installed for all the incoming/outgoing feeders for each such unit.
- (3) The energy audit for total system shall be carried out by compiling the data and analysis carried out in each responsibility centre. The energy received from each substation shall be measured at the 11 kV / 33kV terminal switchgear of all the outgoing feeders installed with appropriate energy meters such that the energy supplied to the each feeder is accurately available. It shall be compared with the corresponding figures of monthly energy sales and the distribution loss for each feeder shall be worked out. In case the Distribution Licensee has adopted ring main system at 11 kV and 33 kV and there is difficulty in determining the distribution losses for each feeder, then the Distribution Licensee shall work out distribution losses for the overall Area of Supply.
- (4) An action plan for reduction of the losses with adequate investments and suitable improvements in governance should be drawn up and shall be submitted to the Commission annually along with Annual Revenue Requirement Filing.

## CHAPTER 4

### CONNECTIVITY CONDITIONS

#### 4.1. Introduction :

The Connectivity Conditions specify the minimum technical and design criteria, which shall be complied by any user connected to, or seeking connection to the Distribution System. The Distribution

**5.3. Demand Estimation :**

- (1) The Distribution Licensee shall estimate its requirement (demand and energy) for 15 minutes blocks at Transmission - Distribution Interface points on day-ahead/week-ahead/month-ahead basis for his Area of Supply based on relevant load curves subject to modifications depending upon the communication received from any specific User or caused by any contingency. This may be given to SLDC as per its requirements.
- (2) For this purpose, the concerned major Users identified by the Distribution Licensee shall furnish the data pertaining to their demands to the Distribution Licensee.

**5.4. Outage Planning :**

- (1) The Distribution Licensee shall furnish his proposed outage programs to the Transmission Licensee on a month ahead basis. The outage program shall contain identification of lines and equipment of the Distribution System proposed by Distribution Licensee.
- (2) The outage plan proposed by the Distribution Licensee shall come into effect only after the Transmission Licensee releases the finally agreed transmission outage plan.
- (3) However, at the time the line or equipment of the Distribution Licensee is taken out of service, the Distribution Licensee shall intimate the Transmission Licensee that the Transmission Licensee may also carry out its maintenance works pertaining to the line/equipment under maintenance, if required, so that the maintenance works could be carried out under minimum shutdown period.
- (4) In case of lines and equipment of 66 kV and above the specific concurrence of SLDC shall be obtained in addition to the above.
- (5) The above procedure shall not apply under the following circumstances:
  - (a) Emergency situations' to save plant and machinery;
  - (b) Unforeseen emergency situations requiring isolation of lines or equipment to save human life,
  - (c) Where disconnection is to be effected on any User installation due to breach of Agreement. In this case the SLDC shall be informed wherever the load to the extent of 1 MVA or more is affected.
- (6) Planned outages of Power System for the duration as specified in UERC (Standards of Performance) Regulations, 2007 as amended from time to time for maintenance purposes shall be intimated to the public through media including publishing in at least two largely circulated Newspapers in Uttarakhand (one in Hindi and one in English) of that area, two days in advance.

**5.5. Contingency Planning & Crisis Management :**

- (1) A contingency situation may arise in the event of a total or partial blackout in the Transmission System. A contingency may also arise on a part of the Distribution System due to local breakdowns in the Distribution System itself. It may also arise due to a breakdown in the Apparatus of the Transmission Licensee at the point of interconnection.
- (2) Contingency and crises management procedure shall be documented unambiguously to achieve the restoration of the total system and associated demand, and re-synchronization of parts of the total system, which have become out of synchronism with each other, at the shortest possible time.
- (3) Transmission System Failure :
  - (a) In case of a total blackout at any point in the Area of Supply of Distribution Licensee, the Distribution Licensee shall follow the black start procedures framed by the Transmission Licensee.
  - (b) The Distribution Licensee shall sectionalize the Distribution System into discrete blocks of demand. The Distribution Licensee shall advise and co-operate with the SLDC for the amount of MW load likely to be picked up on switching each demand block.

- (3) For every new connection sought, the Distribution Licensee shall specify the Connection Point/ Interface Point and the supply voltage, along with the metering and protection requirements as specified in the code.
- (4) The operation of the Distribution System shall be in accordance with the "Operation Code". The User shall however be subject to the distribution discipline prescribed by the SLDC/ALDC.
- (5) The insulation co-ordination of the Users' equipment shall conform to the Regulation 3.11 of these Regulations.

#### **4.6. Procedure for Applications for connections to the System :**

Any User seeking use of Distribution System is required to submit application for connection to the Distribution Licensee as per the procedures and formats laid down by the Commission in the relevant Regulations for release of new LT/HT/EHT connections.

#### **4.7. Connection Agreement :**

A Connection Agreement between User and the Distribution Licensee shall be executed both for sale and/or purchase including Independent Power Producer (IPP). For LT consumers, an undertaking is required to be furnished as per UERC (Release of new LT Connections, Enhancement & reduction of Loads) regulations, 2013 as amended from time to time.

### **CHAPTER 5**

#### **OPERATION CODE**

##### **5.1. Introduction :**

This chapter contains the procedures and practices to be followed for safe and efficient operation of the Distribution System by the Distribution Licensee and Users. While operating distribution system, Users and Distribution licensee shall fulfil the requirement as stipulated in Regulations issued by CEA under sub-section (2) of section 177 of the Act and amendments issued from time to time.

The following aspects of operation are covered in this section:

- (1) Demand Estimation
- (2) Outage Planning
- (3) Contingency Planning
- (4) Demand Management and Load Shedding
- (5) Interface with Generating Plant including CPPs
- (6) Monitoring and Control of voltage, and power factor
- (7) Requirements with respect to Harmonics, Direct Current (DC) injection and Flicker
- (8) Safety Co-ordination
- (9) Communication
- (10) Maintenance and testing
- (11) Tools and spares
- (12) Training

##### **5.2. Objective :**

The objective of this chapter is to define the operating procedures and practices to be followed by the Users & Distribution Licensee for ensuring Distribution System safety, stability, efficiency and security.

Licensee shall ensure compliance of the above criteria by any user as a pre-requisite for the establishment of an agreed connection. In addition to the above, the connectivity conditions should fulfil the requirement stipulated in section 50, section 53 and regulations issued under sub-section (2) of section 177 of the Act.

#### 4.2. Objectives

- (1) The objectives of the Connectivity Conditions are to specify that:
  - (a) The basic rules for connections are complied by all user. This will help to treat all user in a non-discriminatory manner.
  - (b) Any new or modified connection, when established, shall not suffer unacceptable effects due to its connection to the Distribution System nor produce unacceptable effects on the system or any other connected user.
  - (c) The ownership and responsibility for all the equipments, in case of interface / connections with all Users at HT and EHT, shall be clearly specified in a Site Responsibility Schedule as per Format specified in Annexure-4 for every site, where a connection is made.

#### 4.3. Interface Point :

- (1) Connection to Transmission System shall be governed by the UERC (State Grid Code) Regulations, 2016 as amended from time to time.
- (2) Connection of Generators and Captive generators including DG sets to Distribution Systems may be provided at Bus bars of the Generating station. All generating units shall inject the output into the bus bars via the synchronising breaker. The isolator between the synchronising breaker and the bus bars would be the boundary between the Generator and the Distribution Licensee. The current transformers of the tariff metering shall be connected near the synchronising breaker. The voltage transformers (including the standby set) of the tariff metering shall be connected to the bus-bars.
- (3) EHT/HT Consumers: The supply voltage may be 220kV/132kV/66kV/ 33kV/11 kV or voltage as agreed by the Distribution Licensee. The interface point for the HT/EHT consumer shall be the Distribution Licensee's cut off point/isolator in the consumer's switchyard at consumer's end. However, in case EHT/HT consumer is being fed from a dedicated feeder emanating from Transmission/Distribution Licensee's substation, the interface point shall be the line isolator at the said Sub-Station of the Transmission/Distribution Licensee as the case may be.
- (4) Low voltage Consumers: The incoming terminal of the cut out / circuit breaker installed by the Consumer is the boundary of low voltage Consumers. The tariff metering shall be provided before a fuse unit / circuit breaker of the Consumer. The metering equipment shall be provided at the entry point of Consumer Premises in a safe location, preferably at the entry of the boundary of the premises or in a common passage on ground floor or nearby safe location outside the premises for easy access for the purpose of meter reading, maintenance, repairs, inspection, etc. The metering equipment shall be provided inside a box sealed by the Distribution Licensee and the User / Consumer shall not disturb the seal of the metering equipment and shall take reasonable care for upkeeping & protecting the meter and equipment.

#### 4.4. Operational Labelling :

- (1) The Distribution Licensee and the Users shall be responsible for the provision and maintenance of clear, unambiguous signs and labels indicating the numbering and / or name of the equipment / apparatus and circuit at the substations and connection sites.
- (2) The equipment installed shall conform its relevant I.S. specification and the ratings and salient specification shall be maintained on the equipment's nameplate. No electrical equipment shall be used without its manufacturers nameplate permanently affixed to it.

#### 4.5. System Performance :

- (1) The design and construction of all the equipments connected to the Distribution System shall satisfy the relevant Indian Standard Specifications to the maximum extent possible.
- (2) Installation of all electrical equipment shall comply with rules and code of practice in force.

- (c) The Distribution Licensee shall prepare a schedule of essential and non-essential loads in order of priority at each connection to be picked up during the restoration process and shall furnish the same to SLDC.
- (d) The Distribution Licensee shall maintain direct communication links with the SLDC and shall ensure and maintain the load generation balance under the direction of the SLDC.
- (e) The Distribution Licensee shall furnish the names and designations of the person(s) with their contact details viz. telephone/mobile numbers & email ID and stations, authorised to deal with contingency operations, to the SLDC.
- (4) Failure of the Apparatus of the Transmission Licensee:
  - (a) The Distribution Licensee shall immediately contact the authorised person at the substation of the Transmission Licensee, and assess the probable period of restoration and the probable restriction of load drawl from the affected substation.
  - (b) The Distribution Licensee shall effect the demand management plan accordingly.
- (5) Distribution System Failure:
  - (a) Interruptions to power supply in any part of the Distribution System lasting for the period as specified in UERC (Standards of Performance) Regulations, 2007 as amended from time to time for Distribution Licensee due to breakdown in any part of the Distribution System may be termed as a Distribution System Failure.
  - (b) The Distribution Licensee shall coordinate with SLDC for restoration process, which shall be as per UERC (State Grid Code) Regulations, 2016 as amended time to time.
  - (c) The Distribution Licensee shall designate a Nodal officer to coordinate with SLDC for distribution system restoration.

#### **5.6. Demand management and load shedding :**

- (1) Temporary Load Shedding may be resorted to, for maintaining the grid frequency as instructed by the SLDC. Temporary Load Shedding may also be necessitated due to loss of any circuit or equipment or any other operational contingency. In case of automatic load shedding through Under Frequency Relays, the circuits and the amount of load to be interrupted with corresponding relay settings shall be co-ordinated with the SLDC and persons in charge of the substations of the Distribution Licensee as necessary.
- (2) In the event of sustained shortages, Distribution Licensee shall submit a detailed program for planned load shedding indicating areas and timing of proposed load shedding for approval of the Commission. On receiving Commission's approval, Distribution Licensee shall publish the approved program in atleast two local newspapers. Distribution Licensee shall seek fresh approval from Commission for any deviation from approved load shedding program.
- (3) If the duration of unplanned load shedding to any part of the Distribution System exceeds 2 hours, the affected Consumers on independent circuits, emanating from primary sub-stations may be suitably intimated. The essential services such as public hospital, public water works, sewage works, etc. shall be intimated over the telephone/mobile/other electronic communication medium wherever possible.
- (4) Dedicated feeders for supply of power to agriculture consumers shall be constructed so as to ensure 8 to 10 hours supply on such feeders.
- (5) 33 KV ring mains shall be provided in towns.

#### **5.7. Interface with Generating Units including Captive Power Plant (CPP) :**

- (1) If the Distribution Licensee has an interface with any generating unit including CPP and an Agreement for this purpose exists, the Distribution Licensee and the concerned owner of the generating unit shall abide by the following provisions in addition to the provisions contained in this Code as applicable to all the Users:

- (a) The owner shall provide suitable protection at the interface to protect his system from any damage due to normal and abnormal conditions in the Distribution System.
- (b) If the generator is an induction generator, the owner shall take adequate precautions to limit the system disturbances, when the induction generator is synchronised in consent with the Distribution Licensee. Generating Company having induction generators shall install adequate capacitors to compensate the reactive power drawl. Also whenever the power factor is found very low during starting period and causes voltage dip in the Distribution Licensee's system the Distribution Licensee may advise the owner to install capacitors and the generating company shall comply. Failure to comply entails penalty and/or disconnection from the system as per provision of Act/Rules/Regulations.
- (2) The owner shall comply with the provisions of the UERC (State Grid Code) Regulations, 2016 as amended from time to time.

#### **5.8. Monitoring and Control of Voltage and Power Factor :**

- (1) The Distribution Licensee shall monitor the voltage and power factors in the Distribution System at system input points at peak and off-peak hours and take reasonable measures for improvement of the same in coordination with the Users with demand of 1 MVA and above, and the Transmission Licensee.
- (2) The Distribution Licensee shall take power factor improvement measures at strategic points in the Distribution System by carrying out system studies and installing the required reactive power compensation equipment.
- (3) Users having loads with low Power Factor shall install capacitors of appropriate rating as per Annexure-5. The consumers using power for welding purposes shall install the equipment as specified by Distribution Licensee from time to time, to prevent frequent voltage fluctuations.
- (4) The Distribution Licensee & Users shall abide by the instructions issued by the SLDC from time to time on load management for maintaining the frequency of supply within the specified limits.

#### **5.9. Requirements with respect to Harmonics, Direct Current (DC) Injection and Flicker :**

- (1) Voltage and current harmonics: In any installations the voltage and current Total Harmonic Distortion (THD) shall not exceed the limit as specified in the Central Electricity Authority (Technical Standards for connectivity to the Grid) Regulations, 2007, as amended from time to time, applicable to the Distribution Systems. The Consumer will take appropriate measures to restrict the THD to the stipulated limit.
- (2) The Generating station(s) shall not inject DC current greater than 0.5% of full load rated output at the interconnection point.
- (3) The Generating Stations shall not introduce Flickers beyond the limits specified in IEC61000
- (4) Measurement of Harmonic Contents, DC injection and Flicker shall be done at least once in a year in the presence of parties concerned.

#### **5.10. Safety co-ordination :**

- (1) The Distribution Licensee and the Users (comprising Generating Companies, Transmission Licensee and Consumers having load above 1MVA or dedicated lines) and any other Distribution Licensee having common electrical interface with the Licensee shall designate suitable persons to be responsible for safety co-ordination. These persons shall be referred to as Safety and Control Persons. Their designations and telephone/mobile numbers shall be exchanged between all the concerned persons. Any change in the list shall be notified promptly to all the concerned.

- (2) The Distribution Licensee and Users shall prepare safety manuals incorporating all the safety precautions to be taken for each component of the Distribution System based on the Distribution System under Safety Code specified at Chapter 7 of these Regulations. All the safety rules and precautions shall be observed when work is to be carried out on any line or apparatus, switchgear or circuits in any part of the Distribution System or in any part of the User System. The safety manuals thus prepared shall be issued to all the Safety and Control persons and such Users for compliance.
- (3) There shall be co-ordination between persons of the Distribution Licensee and the Users, between persons of two Distribution Licensees having electrical interfaces, for carrying out the work on any apparatus or lines etc., belonging to either party at the point of interconnection.
- (4) The provisions of the UERC (State Grid Code) Regulations, 2016 as amended time to time, shall be followed at Connection Points/Interface Points in co-ordination with the Transmission Licensee.
- (5) The disconnecting device(s) at each electrical interface, which shall be capable of effectively disconnecting the system of the Distribution Licensee and the other Users, and the grounding devices of the respective systems at the control boundary shall be identified and marked by the Distribution Licensee and the respective Users. These shall be maintained in good condition at all times. To prevent inadvertent switching operations by unauthorised persons, such disconnecting devices shall be provided with interlocks.
- (6) Wherever any Consumer has installed an emergency power supply system, either an electronic system with storage batteries or with generators, the arrangement shall be such that the same cannot be operated without clearly isolating the system from the supply mains. The responsibility of making the required arrangement for isolation from supply mains shall be of the User and this shall be part of the electrical layout submitted to Electrical Inspector for his approval. A copy of the approved layout shall be provided to Distribution Licensee thereafter. The possibility of a feed-back from these devices to the Distribution System from any of the conductors, including the neutral conductor shall be clearly ruled out.

Provided that the grid synchronized generation shall be exempted from above provisions.

- (7) The appropriate Control Person at the electrical interface shall issue written permission to his counterpart for carrying out the work on any apparatus, switchgear or lines beyond the electrical interface. Such permissions shall be termed as Permit to Work (PTW). The prescribed format for PTW is annexed as Annexure-7 of these Regulations which shall be used by all concerned.
- (8) All maintenance work shall be duly authorised by the designated officer. The system of PTW shall be observed for carrying out any maintenance work. The line should not be energised back without return of PTW after completion of maintenance work.
- (9) The Distribution Licensee in consultation with the concerned User shall frame checklist of operations to be carried out and the procedures for safety coordination for each electrical interface, before issue and return of PTW. Such procedures and checklists shall be issued to all the concerned by the Distribution Licensee for implementation.

#### **5.11. Operational Communication :**

- (1) Reliable communication such as telephones, mobiles & e-mails etc. links shall be established for exchange of data, information and operating instructions between SLDC and the Distribution licensee, embedded generators, users and large consumers with a Demand of more than 1 MVA.
- (2) The Distribution Licensee and the Users connected to its Distribution System shall designate officers and agree on communication channels for the exchange of information. Communication shall, as much as possible, be direct between the User and the operator of the Distribution System to which that User is connected.
- (3) List of telephone/mobile numbers, call signs and e-mail IDs shall be exchanged by the Distribution Licensee and concerned Users to enable control activities to be efficiently coordinated.



**5.12. Mobile Breakdown Vans :**

The Distribution Licensee shall provide Mobile Breakdown Vans in towns and cities for attending line and transformer faults and consumers' complaints without any delay. The Mobile Breakdown Vans will be equipped with all necessary Tools such as cable jointing kits and consumable at all times on duty. The Breakdown Vans shall be fitted with wireless phone, telescoping ladder. All spares necessary for maintenance work shall be provided in such breakdown van and inventory of spares shall be replenished from time to time.

**5.13. Reserves and standbys :**

- (1) The Distribution Licensee shall maintain adequate reserves and standby emergency equipment for attending forced outage conditions of lines and transformers in each distribution division. These include oil filtration sets, cable jointing and maintenance kits, mobile cranes, chain-pulley, lifter etc.
- (2) The Distribution Licensee at all time must have adequate stock of spare transformers, isolators, circuit breakers, meters, Instrument Transformers, insulators, hardware, cable and cable boxes etc. for undertaking emergency works in each distribution division.
- (3) The Distribution Licensee shall have maintenance and live wire maintenance Teams available at important locations which can be called and deployed on maintenance work of emergent nature.

**5.14. Construction Practices :**

- (1) All electric supply lines and apparatus shall be of sufficient ratings for power, insulation and estimated fault current and of sufficient mechanical strength, for the duty which may be required to perform under the environmental conditions of installation, and shall be constructed, installed, protected, worked and maintained in such a manner as to ensure safety of human beings, animals and property.
- (2) The relevant code of practice of the Bureau of Indian Standards including National Electrical Code, if any may be followed. The material and apparatus used shall conform to the relevant specification of Bureau of Indian Standards where such specifications have been already laid.
- (3) The Distribution Licensee shall prepare and observe the Construction & Maintenance Manuals for various equipment/works like 33 kV Lines, 11 kV Lines, LT Lines, 33 kV sub-station and 11 kV sub-stations. The Construction & Maintenance Manual shall be prepared taking into consideration the following:
  - (a) Technical Standards for construction of electrical plants, electric lines and connectivity to the grid specified by the Central Electricity Authority (Technical Standards of Construction of Electrical Plants and Electric Lines) Regulations, 2010 as amended from time to time;
  - (b) Safety requirements for construction, operation and maintenance of electrical plants and electric lines specified by the Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010 as amended from time to time;
  - (c) REC Construction Standards and Standard design layouts;
  - (d) CBIP Publications on Code of Practices;
  - (e) Code of Practices issued by Bureau of Indian Standards for various equipment and maintenance practices; and
  - (f) Instruction Manuals for installation, operation and maintenance issued by standard equipments manufacturer concerned.
- (4) The standard tables for conductor size, fuse size, wire gauge, electrical clearance, ground wire size, insulation resistance and earth resistivity etc. shall be included in the Construction and

Maintenance manual. Distribution Licensee shall ensure that its construction and maintenance staff strictly observe the norms given in the Manuals.

#### 5.15. Preventive Maintenance Schedules :

- (1) The Distribution Licensee shall prepare a Preventive Maintenance Schedule for various line and sub-station equipment installed in distribution system. The Preventive Maintenance Schedule shall include the following important equipment:
  - (a) Power Transformers and Distribution Transformers installed outdoor/indoor ;
  - (b) 11 kV & 33 kV Circuit Breakers and associated equipments;
  - (c) 11 kV & 33 kV Overhead lines including Gang Operated (G.O.) Switches & Drop Out Fuses;
  - (d) 11 kV & 33 kV Cable & Cable Boxes;
  - (e) LT Lines & circuit breakers; and
  - (f) Equipments related to Service Connection.
- (2) The Preventive Maintenance Schedule shall have sections covering the following:
  - (a) Recommended Schedule for inspection;
  - (b) Recommended Schedule for preventive maintenance; and
  - (c) Recommended Schedule for overhaul.
- (3) The inspection schedule and preventive maintenance schedule shall have daily, weekly, monthly quarterly and annual periodic activity to be carried out for various equipments.
- (4) In addition to the preventive maintenance, the Distribution Licensee shall also be required to conduct Technical Audit of atleast one 33/11 kV S/s in each Electricity Distribution Circle (EDC) in a Financial Year. The Technical Audit shall be conducted through competent Independent Agency(ies) appointed by the Distribution Licensee from time to time for verifying proper functioning of the Distribution Protection System & adequacy check of various elements/assets installed at 33/11 kV S/s and its outgoing feeders upto the secondary side of Distribution Transformers (DTs) as per Schedule given below:

#### Schedule of Activities for Technical Audit

| Description of Activities   | Financial year-wise Schedule         | Responsibility        |
|---|--------------------------------------|-----------------------|
| Preparation of Terms of Reference (ToR) for conducting Annual Technical Audit and Publication of Notice Inviting Tender for conducting Technical Audit of the identified 33/11 kV Substations under the Distribution Code Regulations | By 30 <sup>th</sup> day of April     | Distribution Licensee |
| Selection of Technical Auditor(s) and issuance of Work Order(s)   | By 30 <sup>th</sup> day of June      | Distribution Licensee |
| Submission of Report(s) including Action Points by the Technical Auditor(s) to Distribution Licensee.   | By 30 <sup>th</sup> day of September | Technical Auditor(s)  |
| Action Taken report(s) of Distribution Licensee on the recommendations made by the Technical Auditor(s) to be submitted before the Commission every year.   | By 31st day of March                 | Distribution Licensee |

**5.16. Maintenance Records :**

- (1) The Distribution Licensee shall maintain records of periodic inspections carried out in the standard formats prescribed in Preventive Maintenance Schedule. Records shall be maintained in respect of following amongst others in respective substation/subdivision/division office:
  - (a) Power Transformers and Distribution Transformers installed indoor/outdoor
  - (b) 11 kV & 33 kV Circuit Breakers;
  - (c) 33 kV & 11 kV Lines
- (2) Regular testing of all the equipments such as transformers, switchgear, protective relays, etc., should be carried out as recommended by the manufacturer and the relevant code of practice issued by the Bureau of Indian Standards and CBIP. These shall be carried out at the prescribed intervals and the test results shall be recorded in the maintenance registers maintained at respective substations. Wherever the test results indicate a decline in the insulation resistance and/or deterioration of the equipment, preventive maintenance shall be carried out to ensure serviceability, safety and efficiency.
- (3) The consumers shall maintain their apparatus and power lines at all times conforming to Central Electricity Authority (Measures relating to Safety and Electricity Supply), 2010 as amended from time to time and these shall be suitable for connection to distribution system in a safe and reliable manner.

**5.17. Environmental Issues :**

- (1) The Distribution Licensee shall take due regards of environment regulatory guidelines in planning, design, construction and operation of distribution system. Environmental impact assessment shall be carried out for all major distribution projects like construction of substations in green and reserved area. The required clearances and no-objection shall be obtained from State Pollution Control Boards wherever prescribed.
- (2) The Distribution Licensee shall ensure that the environmental concerns would be suitably addressed through appropriate advance action by way of comprehensive Environmental Impact Assessment and implementation of Environment Action Plan (EAP).

**5.18. Energy Conservation :**

- (1) The Distribution Licensee in order to minimize the overall energy demand shall accord high priority to energy conservation and demand side management (DSM). The Distribution Licensee shall ensure compliance of the Energy Conservation Act, 2001 and adhere to the guidelines of Bureau of Energy Efficiency issued from time to time in this regards.
- (2) Distribution Licensee shall ensure that the periodic energy audits wherever have been made compulsory for power intensive industries, under the Energy Conservation Act, being complied by its consumers. Other industrial consumers may also be encouraged to adopt energy audits and energy conservation measures. Energy conservation measures viz. installation of roof top solar power plants based on net metering, rooftop solar water heater and solar lighting etc. shall be adopted in all Government buildings for which saving potential has been estimated to be about 30% of the average energy consumption.
- (3) The Distribution Licensee in the agriculture sector shall promote the pump sets and the water delivery system engineered for high efficiency and preferably of appropriate star labelling. In the industrial sector, The Distribution Licensee shall take action for promoting energy efficient technologies as energy conservation measures. Motors and drive system are the major source of high consumption in Agricultural and Industrial Sector. The Distribution Licensee shall advise the consumers to use high efficiency motors in Agricultural and Industrial Sector. Distribution Licensee shall take effective steps such that energy efficient lighting technologies should also be adopted in industries, commercial and domestic establishments.

- (4) Distribution Licensee shall endeavour that the requirements for capacity additions is reduced to the extent possible by reducing the difference between electrical power demand during peak periods and off-peak periods through suitable load management techniques such as differential tariff structure for peak and off peak supply and metering arrangements (Time of Day metering) to achieve an efficient load management.

#### **5.19. Tools and Spares :**

- (1) The Distribution Licensee shall ensure availability of proper tools and tackles, Equipments viz. Megger, tong-tester, earth tester etc at all work places for carrying out the maintenance. The tools and tackles shall be checked from time to time and their serviceability shall be ensured.
- (2) The Distribution Licensee shall maintain an inventory of spares required for maintenance and replacement purposes at suitable locations according to a clear policy to be laid down by the Distribution Licensee.

#### **5.20. Human Resource Development and Training :**

The Distribution Licensee shall impart necessary training to its officers/staff in distribution system operation and maintenance practices so as to implement the provisions of these Regulations. The Distribution Licensee shall make appropriate arrangements for imparting training to workmen and supervisory staff, incorporating up-to-date techniques and safety measures of distribution system design, construction and maintenance. The Distribution Licensee shall prepare an annual training calendar for its officers and staff and shall submit the same to the Commission latest by 15<sup>th</sup> May of every year.

#### **5.21. Geographical Information System (GIS)/Global Positioning System (GPS) based Information system :**

- (1) The Distribution Licensee shall, in stages, deploy GIS/GPS based Geographical Facilities Information System for planning operation and maintenance of distribution system. The GIS shall be utilized for mapping the all important elements of distribution system which includes lines, transformers, sub-stations, generating stations, all unit locations and shall eventually covers all consumers . The GIS shall be linked to active relational database management system (RDBMS) and GPS shall be utilized for time synchronization.
- (2) The digital maps of distribution network shall be developed for each of the following preferably by conducting GPS survey which is easier, fast, accurate and economical:
- 33 kV network of complete distribution system indicating distance, type and size of conductor /size of Under Ground (UG) cable with single core or 3 core for lines and sub-station particulars with Single Line Diagram (SLD).
  - The feeder-wise 11 kV lines/cables indicating distance, type and size of conductor /UG cable, location and capacity of distribution transformers.
  - The distribution transformer-wise L.T. line/cables with number of consumers and connected load of each of L.T. support/L.T. feeder pillar Box.

## **CHAPTER 6**

### **DISTRIBUTION PROTECTION REQUIREMENT**

#### **6.1. Introduction :**

In order to safeguard Distribution System and prevent faults travelling into the Transmission System, it is essential that certain minimum standards for protection shall be specified for the Distribution Licensee and Users connected to Distribution System. Users and Distribution licensee shall fulfil the requirement stipulated in Regulations issued by CEA under sub-section (2) of section 177 of the Act and amendments issued from time to time while deciding distribution protection system. This chapter describes these minimum standards.

**6.2. Objective :**

The objective of this chapter is to define the minimum protection requirements for any equipment connected to the Distribution System, so that faulty distribution section can be isolated from rest of power system and thereby minimize disruption due to faults.

**6.3. General Principles :**

- (1) No item of electrical equipment shall be allowed to remain connected to the distribution system unless it is covered by appropriate protection aimed at reliability, selectivity, speed and sensitivity of protective relays/devices. Distribution Licensee and users shall co-operate with Transmission Licensee to ensure correct and appropriate settings of protection to achieve effective, discriminatory removal of faulty equipment within the target clearance time specified in the UERC (State Grid Code) Regulations, 2016, as amended from time to time. (clearance time to be specified from the grid standards or elsewhere)
- (2) Protective relay settings shall not be altered or protection bypassed and/or disconnected without consultation with concerned distribution licensee. In case the protection has been bypassed and/or disconnected by mutual consent, the same should be rectified and protection restored to normal condition as quickly as possible. If no consensus is reached, all the electrical equipments shall be isolated forthwith.
- (3) Ground, Vertical and horizontal clearances of a building structure shall be as specified in relevant provisions of the CEA (Measures relating to safety and electric supply) Regulations, 2010 as amended from time to time.

**6.4. Protection Manual :**

Distribution Licensee shall prepare and enforce standard manual of protection indicating minimum protection requirement within the distribution system and connected Users' system. The Protection Manual shall cover protection of supply lines and Power and Distribution Transformers through which supply is provided to the consumers. The Protection Manual shall be prepared taking into consideration the UERC (State Grid Code) Regulations, 2016 as amended from time to time and shall contain relevant data on fault levels at various places, guidelines for setting standard relays for over current and earth faults, fuse rating selection criteria etc. A copy of Protection Manual shall be furnished to Commission in compliance of this requirement after the same is prepared by the Distribution Licensee.

**6.5. Protection at inter-connection point of EHT GSS :**

All 33 kV and 11 kV lines emanating from EHT GSS shall be provided with a minimum of over current and earth fault protection with or without directional features along with high set element as per the UERC (State Grid Code) Regulations, 2016 as amended from time to time) requirement. Co-ordination with the originating EHT sub-station should be ensured to avoid major sub-station equipment / EHT transmission lines from tripping on through faults due to delayed fault clearance in the distribution feeders. Protection on 33 kV & 11 kV transformers and lines (or their sectionalising points) of HT system of Distribution Licensee shall be coordinated with settings of protection provided on 33 kV & 11 kV feeders at EHT sub-stations.

**6.6. 33 kV and 11 kV line protection :**

- (1) The settings of protective relays for 33 kV and 11 kV lines from the feeding sub-stations shall be such that a fault in any section does not affect the upstream section between the generating unit/feeding substation and the faulty section under all conditions. 33 kV radial lines shall have two over current and one earth fault non-directional IDMT relay protection at feeding station. The relays shall also have instantaneous over current element. Where 33 kV line is an interconnection between two substations or a generator unit and the substation, these relays shall have directional feature.

- (2) All 33 kV and 11 kV lines at connection points shall be provided with a minimum of over current and earth fault relays as follows:

|   |   |  |
|---|---|--|
| 1 | Radial feeders                                    | Non-directional time lag over current and earth fault relays with suitable settings to obtain discrimination between adjacent relays settings. |
| 2 | Parallel/ring feeders and inter-connected feeders | Directional time lag over current and earth fault relays.  |
| 3 | Long feeders/transformer feeders                  | These feeders shall incorporate a high set instantaneous element.  |

#### 6.7. Transformer Protection :

- (1) The transformers shall be suitable for outdoor installation with three phase, 50 Hz, 11 kV or 33 kV system in which the neutral is effectively earthed and they should be suitable for service with fluctuations in supply voltage upto plus 12.5% to minus 12.5%.
- (2) The transformers shall conform to the following specific parameters:

| Sl. No. | Item                  | 11 kV Distribution Transformers | 33 kV Distribution Transformers |
|---------|-----------------------|---------------------------------|---------------------------------|
| 1       | System voltage (max.) | 12kV                            | 36kV                            |
| 2       | Rated voltage HV      | 11kV                            | 33kV                            |
| 3       | Rated voltage LV      | 433 - 250 V*                    | 433 - 250 V*                    |
| 4       | Frequency             | 50 Hz +/- 5%*                   | 50 Hz +/- 5%                    |
| 5       | No. of Phases         | Three/Single                    | Three/Single                    |
| 6       | Connection HV         | Delta                           | Delta                           |
| 7       | Connection LV         | Star (Neutral brought out)      | Star (Neutral brought out)      |
| 8       | Vector group          | Dyn-11                          | Dyn-11                          |
| 9       | Type of cooling       | ONAN/Dry                        | ONAN/ONAF/Dry                   |

- (3) The Minimum protection requirements of transformers installed in distribution system shall be as under:

| Sl. No. | Type               | Primary side Protection  | Secondary side Protection   |
|---------|--------------------|--|---|
| 1       | below 1000 kVA     | link switch with fuse or circuit breaker of such capacity as to carry the full load current and to break only the magnetising current of transformer | In case of consumer, circuit breaker of adequate rating shall be installed.<br>In case of generating company or licensee, link switch with fuse or circuit breaker of adequate capacity shall be installed.<br>Buchholz, winding and oil temperature alarm protection |
| 2       | 1000 kVA and above | Circuit breaker of adequate capacity shall be provided   | Circuit breaker of adequate rating shall be provided.<br>Buchholz, winding and oil temperature alarm, and tripping protection.  |

**6.8. Protection Coordination**

- (1) The Distribution licensee shall decide the relay settings with the data collected from the Transmission licensee and the Users on Fault Levels at various EHT Sub-Stations. Representatives of the generating companies, transmission licensees and distribution licensees shall meet periodically to discuss such malfunctions, changes in the system configuration, if any, and possible revised settings of relays. The Transmission licensee shall notify the initial settings and any subsequent changes to the Distribution Licensee and Users from time to time. Routine checks on the performance of protective relays shall be conducted and any malfunction shall be noted and corrected as soon as possible.
- (2) Transmission Licensee shall be responsible for arranging periodical meetings between the generating companies, transmission licensee and the distribution licensees to discuss coordination of protection as per the UERC (State Grid Code) Regulations, 2016 (as amended from time to time) requirement. The transmission licensee shall investigate any malfunction of protection or other unsatisfactory protection issues. The distribution licensees shall take prompt action to correct any protection malfunction or activity in distribution system as discussed and agreed to in these periodical meetings.

**6.9. Clearance from buildings of lines of voltage and service lines not exceeding 650 Volts. :**

- (1) An overhead line shall not cross over an existing building as far as possible and no building shall be constructed under an existing overhead line.
- (2) Where an overhead line of voltage not exceeding 650 V passes above or adjacent to or terminates on any building, the following minimum clearances from any accessible point, on the basis of maximum sag, shall be observed, namely:-
  - (a) for any flat roof, open balcony, veranda roof and lean-to-roof--
    - (i) when the line passes above the building a vertical clearance of 2.5 metres from the highest point, and
    - (ii) when the line passes adjacent to the building a horizontal clearance of 1.2 metres from the nearest point, and
  - (b) for pitched roof--
    - (i) when the line passes above the -building a vertical clearance of 2.5 metres immediately under the line, and
    - (ii) when the line passes adjacent to the building a horizontal clearance of 1.2 metres.
- (3) Any conductor so situated as to have a clearance less than that specified above shall be adequately insulated and shall be attached at suitable intervals to a bare earthed bearer wire having a breaking strength of not less than 350 kg.
- (4) The horizontal clearance shall be measured when the line is at a maximum deflection from the vertical due to wind pressure.

**6.10. Clearances from buildings of lines of voltage exceeding 650 V. :**

- (1) An overhead line shall not cross over an existing building as far as possible and no building shall be constructed under an existing overhead line.
- (2) Where an overhead line of voltage, exceeding 650 V passes above or adjacent to any building or part of a building it shall have on the basis of maximum sag a vertical clearance above the highest part of the building immediately under such line, of not less than--

|      |  |   |
|------|--|---|
| (i)  | for lines of voltages exceeding 650 Volts up to and including 33,000 Volts | 3.7 metres  |
| (ii) | for lines of voltages exceeding 33 kV                                      | 3.7 metres plus 0.30 metre for every additional 33,000 Volts or part thereof. |



- (3) The horizontal clearance between the nearest conductor and any part of such building shall, on the basis of maximum deflection due to wind pressure, be not less than--

|       |   |   |
|-------|---|---|
| (i)   | for lines of voltages exceeding 650 V up to and including 11,000 Volts    | 1.2 metres  |
| (ii)  | for lines of voltages exceeding 11,000 V and up to and including 33,000 V | 2.0 metres  |
| (iii) | for lines of voltages exceeding 33 kV                                     | 2.0 metres plus 0.3 metre for every additional 33kV or part thereof |

**Explanation:--**For the purpose of regulation 6.9 & 6.10 the expression "building" shall be deemed to include any structure, whether permanent or temporary.

## CHAPTER 7

### CROSS BOUNDARY SAFETY CODE

#### 7.1. Introduction :

This chapter specifies the requirements for safe working practices for maintenance of equipment associated with cross boundary operations and lays down the procedure to be followed when the work is carried out on electrical equipment connected to another User's System.

Users and Distribution licensee shall also fulfil to the requirements stipulated in Regulations issued by CEA under provisions of clause (b) of sub-section (2) of section 177 of the Act and amendments issued from time to time while deciding the safety of the distribution system.

#### 7.2. Objective :

The objective of this section is to achieve an agreement on the principles of safety when working across a control boundary between the Distribution Licensee and the Users.

#### 7.3. Control Persons and their Responsibility :

- (1) The Distribution Licensee and all the Users (comprising Generating Companies, Transmission Licensees and consumers having load above 1 MVA or dedicated line) shall nominate suitably authorised and technically qualified persons to be responsible for the co-ordination of safety across their boundary in accordance with the CEA (Measures relating to safety and electric supply) Regulations, 2010 as amended from time. These persons shall be referred to as "Control Persons".
- (2) The Distribution Licensee shall issue a list of Control Persons with their names, designations, addresses and telephone numbers, to all the Users having direct control boundary with him. This list shall be updated promptly whenever there is any change of name, designation or telephone/mobile number, email ID of any Control Person named in the list.
- (3) All the Users having a direct control boundary with the Distribution Licensee shall issue a similar list of their Control Persons to the Distribution Licensee. This list shall be updated promptly whenever there is any change of name, designation or telephone/mobile number, email ID of any Control Person named in the list.
- (4) Whenever any work across a cross boundary is to be carried out by the User or the Distribution Licensee, the Control Person of the User or the Distribution Licensee as the case may be, who has to carryout the work, shall directly contact his counterpart. Code words shall be agreed to at the time of work to ensure correct identification of both the parties. Contact between Control Persons shall normally be made by direct telephone.
- (5) If the work extends beyond one shift, the Control Person shall hand over charge to the relief Control Person and fully brief him on the nature of work and the code words in the operation.
- (6) The Control Persons shall co-operate to establish and maintain the precautions necessary to be taken for carrying out the required work in a safe manner. Both the established isolation and the established earth shall be kept in the locked positions wherever such facilities exist, and these shall be clearly identified.

- (7) The Control Person in charge of the work shall satisfy himself that all the safety precautions to be taken are established before commencing the work. He should issue the safety documentation to the working party to allow the work to commence.
- (8) After the completion of the work, the Control Person in charge of the work being carried out should satisfy himself that the safety precautions taken are no longer required, and shall make a direct contact with his counterpart Control Person and request removal of the safety precautions. The equipment shall be declared as suitable for return to service only after confirmation of removal of all the safety precautions, by direct communication, using the code word contact between the two Control Persons, and the return of agreed safety documentation from the working party.
- (9) The Distribution Licensee shall develop an agreed written procedure for Cross Boundary Safety and continuously update the same.
- (10) Any dispute concerning Cross Boundary Safety shall be resolved at the level of STU, if STU is not a party. In case where STU is a party, the dispute shall be referred to the Commission for resolution of the dispute.

#### **7.4. Special Considerations**

- (1) All the equipment on Cross Boundary Circuits, which may be used for the purpose of safety co-ordination and establishment of isolation and earthing, shall be permanently and clearly marked with an identification number or name being unique to the particular sub-station. These equipments shall be regularly inspected and maintained in accordance with the manufacturer's specifications.
- (2) Each Control Person shall maintain a legibly written safety log, in chronological order, of all operations and messages relating to the safety co-ordination sent and received by him. All these safety logs shall be retained for a period of not less than five years.
- (3) As far as possible each of the Distribution Licensee shall maintain an updated map of his system pertaining to the area fed by each substation. Otherwise the schematic diagram of the system for 11 kV and above shall be maintained and exhibited in the concerned area offices / feeding sub-stations of the Distribution Licensee.

### **CHAPTER 8**

#### **INCIDENT/ACCIDENT REPORTING**

##### **8.1. Introduction :**

This chapter covers procedure of major incident / accident reporting (which occur in Distribution System) by Users to Distribution Licensee and Licensee to Chief Electrical Inspector.

##### **8.2. Major Incident or Accident Reporting :**

- (1) The Users shall furnish information to the Distribution Licensee regarding any major incident occurring in their system promptly. The Distribution Licensee and the Users shall establish a format and procedure for exchange of information.
- (2) Reporting of accidents shall be in accordance with Intimation of Accidents (Form and Time service of Notice) Rules, 2004, read with Sec. 161 of The Electricity Act, 2003. If an accident occurs in the distribution system resulting in or likely to have resulted in loss or injury to human or animal life, the Distribution Licensee shall send a telephonic report to the Electrical Inspector within 24 hours of the knowledge of such occurrence. This shall be followed by a report in writing in the form given in Annexure-6 (as per Form A of Intimation of Accidents (Form and Time service of Notice) Rules, 2004), within 48 hours of the knowledge of occurrence of fatal and other accidents.

**8.3. Reporting Procedure :**

- (1) All reportable incidents occurring in the lines and substations in distribution system shall be promptly reported orally by the Licensee whose equipment has experienced the incident, to all other significantly affected Users identified by the Distribution Licensee and the Transmission Licensee. The reporting Distribution Licensee should submit a written report to the Transmission Licensee, in a prescribed format mutually agreed by the Distribution and Transmission Licensee, within one hour of such oral report. If the reporting incident is of major nature, the written report shall be submitted within six hours duly followed by a comprehensive report within 7 days of the submission of the initial written report. In other cases, the reporting Distribution Licensee shall submit a report within fifteen working days to the Transmission Licensee.
- (2) The Transmission Licensee shall call for a report from any Distribution Licensee on any reportable incident affecting other Users and particularly in case such User whose equipment might have been a source of the reportable incident does not report the same. However, this shall not relieve any User from the obligation to report Events in accordance with Rules framed under relevant provision of The Electricity Act, 2003. The format for such a report shall be as per the approval of the Distribution Code Review Panel and shall typically contain the following:
  - (a) Location of the incident,
  - (b) Date and time of the incident,
  - (c) Plant or Equipment involved,
  - (d) Supplies interrupted and the duration wherever applicable,
  - (e) Amount of Generation loss, wherever applicable,
  - (f) System Parameters before and after the incident, (Voltage, Frequency, Load, Generation, etc.)
  - (g) Network configuration before the incident,
  - (h) Relay indications and performance of protection,
  - (i) Brief description of the incident,
  - (j) Estimated time of return to service,
  - (k) Any other relevant information,
  - (l) Recommendations for future improvement,
  - (m) Name and designation of the reporting person.
- (3) The report shall contain sufficient detail to describe the event to enable the recipient to assess the implications and risks arising out of the same. The recipient may ask for clarifications and additional information wherever necessary and it is obligatory that the reporting User shall put his best efforts and provide all the necessary and reasonable information.
- (4) In case of a request by either party, the oral report shall be written down by the sender and dictated by way of a telephone/mobile message or sent by Fax/e-mail to the recipient. In case of an emergency the report can be given only orally and followed by written confirmation.

## Annexure-1

## Load Data for demands of 1 MVA and above to be furnished by the User/Consumer

## Name &amp; Address of User/Consumer:

| S. No | Description  | Details   |
|-------|--|---|
| 1     | Type of Load   | (State whether: - steel melting furnace loads, Rolling mills, traction loads, other industrial loads, pumping loads, etc.)            |
| 2     | Maximum Demand (kVA) and Annual Energy Requirement in kWh  | 8.3.1   |
| 3     | Year/Years by which full/part Supply is required   | 8.3.2   |
| 4     | Location of Load   | (Furnish location map to scale, indicate details of Consumer category/capacity, nearest Railway Station, and nearest EHT sub-station) |
| 5     | Rated Voltage at which supply is required. Whether Single phase or Three-phase supply required   | 8.3.3   |
| 6     | Type of supply   | Normal/Alternate/Dedicated (specify details)  |
| 7     | Description of Equipment   | 8.3.4   |
| A     | <b>Motors</b><br>State purpose and number of installations, voltage and kW rating, starting current, type of motors, types of drives and control arrangements  | 8.3.5   |
| B     | <b>Heating</b><br>Type and kW Rating   | 8.3.6   |
| C     | <b>Furnace</b><br>Type, Furnace Transformer Capacity and Voltage Ratio   | 8.3.7   |
| D     | <b>Electrolysis</b><br>Purpose, kVA capacity   | 8.3.8   |
| E     | <b>Lighting</b><br>kW Demand   | 8.3.9   |
| 8     | Sensitivity of demand to fluctuations in voltage and frequency of supply at the time of Peak Demand (Give details)   | 8.3.10  |
| 9     | Voltage sensitivity  | MW/kV<br>MVar/Kv  |
| 10    | Frequency sensitivity  | MW/Hz<br>MVar/Hz  |
| 11    | Phase unbalance imposed on system<br>Maximum (%)<br>Average (%)  | 8.3.11  |
| 12    | Maximum harmonic component imposed (Furnish details of devices included with the system for the suppression of harmonics, also furnish the harmonic currents of different orders drawn by each device without filters) | 8.3.12  |
| 13    | Details of any loads, which may cause Demand fluctuations of greater than 10 MW at the point of connection, including Voltage Dips (percentage) lasting for 5 seconds and more. (Give details)                         | 8.3.13  |

## Annexure-2

**EMBEDDED GENERATOR UNIT-WISE DATA**

|   |  |
|---|--|
| Name & Address of Generating Company:   |  |
| Location of Generating Plants (s):  |  |
| Terminal Volts (kV);  |  |
| Rated kVA;  |  |
| Maximum and minimum Active Power sent out (kW) Reactive Power requirements (kVAr), if any;  |  |
| Type of Generating Plant—synchronous, asynchronous, etc.;   |  |
| Fault Level contribution  |  |
| Method of voltage control;  |  |
| Generator transformer details, if applicable;   |  |
| Requirements for Top-up supplies and/or standby supplies;   |  |
| Generator kW / kVAr capability chart (at lower voltage terminals);  |  |
| Type of excitation system;  |  |
| Inertia constant kW secs / kVA;   |  |
| Stator Resistance;  |  |
| Direct-Axis Reactance (Sub-transient, Transient & Synchronous);   |  |
| Quadrature-Axis Reactance (Sub-transient & Synchronous);  |  |
| Zero Sequence (Resistance & Reactance);   |  |
| Negative Sequence (Resistance & Reactance);   |  |
| Generator Transformer (Resistance, Reactance, kVA Rating, Tap Arrangement, Vector Group, Grounding, Connection & % Impedance);  |  |
| Automatic Voltage Regulator block diagram, including the data on the gains (forward and feedback), time constants, and voltage control limits;  |  |
| Speed Governor block diagram detailing the governor fly-ball, if applicable, and control system and Prime Mover time constants, together with the turbine rating and maximum power                              |  |
| Standby Requirements:   |  |
| Rated Capacity and Minimum Generation of each Generating Unit and Power Station in kW for standby capacity requirements.  |  |
| Generating Unit and Power Station auxiliary Demand (Active Power and Reactive Power) in kW and kVAr, at rated capacity conditions. For Customers Self-Generating Plant, this shall include Top-up requirements. |  |
| Interface Arrangements- the means of synchronization between the Distributors and User;   |  |
| Details of arrangements for connecting to ground that part of the Generator's System directly connected to the Distribution System;   |  |
| The means of connection and Disconnection which are to be employed  |  |
| Precautions to be taken to ensure the continuance of safe conditions should any grounded neutral point of the Generator's System become disconnected from ground.   |  |

**Annexure—3**

**System Data to be provided to the intending User / Consumer with contract demand of 1 MVA or more (wherever applicable)**

1. 33 KV and above Distribution Line Data relevant to the location where connection has been applied/feasible to provide.
2. Details of metering system and protection system proposed.
3. Fault levels at which the consumer should design his equipment.
4. Fault clearance time for consumer's switch gear and
5. Sub-station fault level.

## Annexure-4

## SITE RESPONSIBILITY SCHEDULE

Name of Sub-station / Location

Site Owner

Name of co-ordination officer of site

Telephone No.

Fax No.:

| Item of Plant/<br>Apparatus            | Plant Owner | Safety Responsibility | Control Responsibility | Operation Responsibility | Maintenance Responsibility | Remarks |
|--|-------------|-----------------------|------------------------|--------------------------|----------------------------|---------|
| .....kV<br>Switchyard                  |             |                       |                        |                          |                            |         |
| All equipment<br>including<br>bus-bars |             |                       |                        |                          |                            |         |
| Feeders                                |             |                       |                        |                          |                            |         |
| Generating<br>Units                    |             |                       |                        |                          |                            |         |
| Other<br>(to be<br>specified)          |             |                       |                        |                          |                            |         |

|                                    | Signatures |
|------------------------------------|------------|
| Plant Owner                        |            |
| Safety Responsibility Officer      |            |
| Control Responsibility Officer     |            |
| Operation Responsibility Officer   |            |
| Maintenance Responsibility Officer |            |



## Annexure-5

**LIST OF POWER FACTOR APPARATUS****FOR MOTORS**

| S. No. | Rating of Individual Motor | KVAR Rating of Capacitor |          |          |          |
|--------|----------------------------|--------------------------|----------|----------|----------|
|        |                            | 750 RPM                  | 1000 RPM | 1500 RPM | 3000 RPM |
| 1      | Upto 3 HP                  | 1                        | 1        | 1        | 1        |
| 2      | 5 HP                       | 2                        | 2        | 2        | 2        |
| 3      | 7.5 HP                     | 3                        | 3        | 3        | 3        |
| 4      | 10 HP                      | 4                        | 4        | 4        | 3        |
| 5      | 15 HP                      | 6                        | 5        | 5        | 4        |
| 6      | 20 HP                      | 8                        | 7        | 6        | 5        |
| 7      | 25 HP                      | 9                        | 8        | 7        | 6        |
| 8      | 30 HP                      | 10                       | 9        | 8        | 7        |
| 9      | 40 HP                      | 13                       | 11       | 10       | 9        |
| 10     | 50 HP                      | 15                       | 15       | 12       | 10       |
| 11     | 60 HP                      | 20                       | 20       | 16       | 14       |
| 12     | 75 HP                      | 24                       | 23       | 19       | 16       |
| 13     | 100 HP                     | 30                       | 30       | 24       | 20       |
| 14     | 125 HP                     | 39                       | 38       | 31       | 26       |
| 15     | 150 HP                     | 45                       | 45       | 36       | 30       |
| 16     | 200 HP                     | 60                       | 60       | 48       | 40       |

## Annexure-5 (Continued)

**LIST OF POWER FACTOR APPARATUS****FOR WELDING TRANSFORMERS**

| S. No. | Name Plate Rating in KVA of individual welding transformer | Capacity of the capacitors (KVAR) |
|--------|--|-----------------------------------|
| 1      | 1  | 1                                 |
| 2      | 2  | 2                                 |
| 3      | 3  | 3                                 |
| 4      | 4  | 3                                 |
| 5      | 5  | 4                                 |
| 6      | 6  | 5                                 |
| 7      | 7  | 6                                 |
| 8      | 8  | 6                                 |
| 9      | 9  | 7                                 |
| 10     | 10   | 8                                 |
| 11     | 11   | 9                                 |
| 12     | 12   | 9                                 |
| 13     | 13   | 10                                |
| 14     | 14   | 11                                |
| 15     | 15   | 12                                |
| 16     | 16   | 12                                |
| 17     | 17   | 13                                |
| 18     | 18   | 14                                |
| 19     | 19   | 15                                |
| 20     | 20   | 15                                |
| 21     | 21   | 16                                |
| 22     | 22   | 17                                |
| 23     | 23   | 18                                |
| 24     | 24   | 19                                |
| 25     | 25   | 19                                |
| 26     | 26   | 20                                |
| 27     | 27   | 21                                |
| 28     | 28   | 22                                |
| 29     | 29   | 22                                |
| 30     | 30   | 23                                |
| 31     | 31   | 24                                |
| 32     | 32   | 25                                |
| 33     | 33   | 25                                |
| 34     | 34   | 26                                |
| 35     | 35   | 27                                |

## Annexure-6

## The Intimation of Accidents (Form and Time of service of Notice) Rules, 2004

## Form A

## Form for reporting electrical accidents

1. Date and time of accident.
2. Place of accident.  
(Village/Town, Tehsil/Thana, District and State).
3. System and voltage of supply (Whether Extra High Voltage (EHV)/High Voltage (HV)/Low Voltage (LV) Line, sub-station/generation station/consumer's installations/service lines/other installations).
4. Designation of the Officer-in-charge of the generating company/licensee in whose jurisdiction the accident occurred.
5. Name of owner/user of energy in whose premises the accident occurred.
6. Details of victim(s):

## (a) Human

| Sl. No. | Name | Father's Name | Sex of Victim | Full Postal address | Approximate age | Fatal/ Non fatal |
|---------|------|---------------|---------------|---------------------|-----------------|------------------|
| 1       |      |               |               |                     |                 |                  |
| 2       |      |               |               |                     |                 |                  |

## (b) Animal

| Sl. No. | Description of Animal(s) | Number(s) | Name(s) of Owner(s) | Address(es) of owner(s) | Fatal/ Non fatal |
|---------|--------------------------|-----------|---------------------|-------------------------|------------------|
| 1       |                          |           |                     |                         |                  |
| 2       |                          |           |                     |                         |                  |

7. In case the victim(s) is/are employee(s) of supplier:-
  - (a) brief description of the job undertaken, if any;
  - (b) whether such person/persons was/were allowed to work on the job.
8. In case the victim(s) is/are employee(s) of a licensed contractor, -
  - (a) did the victim(s) possess any electric workmen's permit(s), supervisor's certificate of competency?  
If yes, give number and date of issue and the name of issuing authority;
  - (b) name and designation of the person, who assigned the duties of the victim (s).

9. In case of accident in the system of the generating company/licensee, was the permit to work (PTW) taken?
10. (a) Describe fully the nature and extent of injuries, e.g., fatal/disablement (permanent or temporary) of any portion of the body or burns or other injuries.  
(b) In case of fatal accident, was the post mortem performed?
11. Detailed causes leading to the accident.  
(To be given in a separate sheet annexed to this form).
12. Action taken regarding first aid, medical attendance etc. immediately after the occurrence of the accident (give details).
13. Whether the District Magistrate and Police Station concerned have been informed of the accident (if so, give details).
14. Steps taken to preserve the evidence in connection with the accident to extent possible.
15. Name and designation(s) of the person(s) assisting, supervising the person(s) killed or injured.
16. What safety equipments were given to or used by the person(s) who met with this accident (e.g. rubber gloves, rubber mats, safety belts and ladders etc.)?
17. Whether isolating switches and other sectionalizing devices were employed to deaden the sections for working on the same? Whether working section was earthed at the site of work?
18. Whether the work on the live lines was undertaken by authorised person(s)? If so, the name and the designation of such person(s) may be given.
19. Whether artificial resuscitation treatment was given to the person(s) who met with the electric accident? If yes, how long was it continued before its abandonment?
20. Names and designations of persons present at, and witnessed, the accident.
21. Any other information/remarks.

Signature

Place:

Name

Time:

Designation

Date:

Address of the person reporting

## Annexure-7

## Check List for Reports/Plans/Procedures

| Submitted to          |                                   |  |  |   |  |   |
|-----------------------|-----------------------------------|--|--|---|--|---|
| Agency                | SLDC                              | STU/TL   | Consumer   | Distribution Licensee   | Generator                                    | DCRP  |
| Consumer              |                                   |  |  | 3.3 (2),<br>3.15 (2),<br>5.3 (2),<br>5.10 (1) & (6),<br>7.3 (3),<br>8.2 (1) |  | 2.7 (1)   |
| Distribution Licensee | 5.4 (5) (c),<br>5.5 (3) (c) & (e) | 3.4 (1), (4) & (5),<br>3.5 (1),<br>5.4 (1),<br>8.3 (1) & (2) | 3.15 (2),<br>5.4 (6),<br>5.6 (3),<br>5.10 (1), (2) & (9),<br>7.2 (2) |   | 3.15 (2),<br>5.10 (1), (2) & (9),<br>7.3 (2) | 1.5 (4),<br>3.4 (5),<br>3.14 (2) (a),<br>3.16 (4),<br>5.6 (2),<br>5.15 (4),<br>5.20,<br>6.4 |
| Generator             |                                   |  |  | 3.15 (2),<br>5.3 (2),<br>5.10 (1),<br>7.3 (3)                               |  |   |
| DCRP                  |                                   |  |  |   |  | 1.8,<br>2.3 (2)   |
| Commission            |                                   |  |  |   |  | 2.3 (1),<br>2.7 (1) & (2)   |
| Submitted by          |                                   |  |  |   |  |   |
|                       |                                   |  |  |   |  | Electrical Inspector  |
|                       |                                   |  |  |   |  | 8.2 (2)   |

By Order of the Commission,

NEERAJ SATI,

Secretary,

Uttarakhand Electricity Regulatory Commission.



# सरकारी गजट, उत्तराखण्ड

उत्तराखण्ड सरकार द्वारा प्रकाशित

रुड़की, शनिवार, दिनांक 21 अप्रैल, 2018 ई0 (बैशाख 01, 1940 शक सम्वत्)

भाग 8

सूचना एवं अन्य वैयक्तिक विज्ञापन आदि

कार्यालय नगरपालिका परिषद्, जसपुर (ऊधमसिंह नगर)

14 फरवरी, 2018 ई0

संख्या 698/2017-2018/2018-उत्तर प्रदेश नगरपालिका अधिनियम, 1916 (उत्तराखण्ड में यथाप्रवृत्त) की धारा 298 (2) की सूची एक (क) के अन्तर्गत नगरपालिका परिषद्, जसपुर ने अपनी सीमा के अन्दर नगरीय ठोस अपशिष्ट व यूजर चार्ज उपविधि, 2017 बनायी गई है। जिसकी पुष्टि नगरपालिका परिषद्, जसपुर के प्रस्ताव संख्या 84, दिनांक 30.12.2017 के द्वारा निम्न प्रकार की गई है। इन उपविधियों को उक्त एक्ट की धारा 301(2) के प्रयोजनार्थ राजकीय गजट में प्रकाशित किया जाता है।

## उपविधियाँ

### नगरीय ठोस अपशिष्ट प्रबन्धन व यूजर चार्ज उपविधि, 2017

संक्षिप्त प्रसार एवं प्रारम्भ:-

1. यह उपविधि नगरपालिका परिषद्, जसपुर, ऊधमसिंह नगर की "नगरीय ठोस अपशिष्ट प्रबन्धन व यूजर चार्ज उपविधि, 2017" कहलायेगी।
2. यह उपविधि नगरपालिका परिषद्, जसपुर (ऊधमसिंह नगर) की सीमा के अन्दर सम्पूर्ण क्षेत्र में प्रभावी होगी।
3. यह उपविधि सरकारी गजट उत्तराखण्ड में प्रकाशन की तिथि से प्रभावी होगी।

परिभाषाएँ:—

- (i) "नगरीय ठोस अपशिष्ट" के अन्तर्गत औद्योगिक परिसंकटमय अपशिष्टों को छोड़कर किन्तु उपचारित जैव चिकित्सीय अपशिष्टों को सम्मिलित करते हुए, ठोस या अर्द्ध ठोस के रूप में नगरीय/अधिसूचित क्षेत्रों में पैदा किया जाने वाला वाणिज्यिक तथा आवासीय अपशिष्ट आता है।
- (ii) "उपविधि" से अभिप्रेत, उत्तर प्रदेश नगरपालिका अधिनियम, 1916 के उपबन्धों के अधीन गठित उपविधि से है।
- (iii) "नगरपालिका" से अभिप्रेत, संविधान के अनुच्छेद 243 (थ) के खण्ड 7 के उपखण्ड (ग) के अधीन किसी नगर के संगठित नगरपालिका परिषद्, जसपुर (ऊधमसिंह नगर) से है।
- (iv) "अधिशाली अधिकारी" से अभिप्रेत, उ0प्र0 नगरपालिका अधिनियम, 1916 के अन्तर्गत पालिका केन्द्रीयित सेवा नियमावली, 1986 के अधीन नियुक्त अधिशाली अधिकारी से है।
- (v) "सफाई निरीक्षक" से अभिप्रेत, नगरपालिका परिषद्, जसपुर, ऊधमसिंह नगर में शासन द्वारा तैनात सफाई निरीक्षक से है, ऐसे अधिकारी के उपलब्ध न होने की स्थिति में नगरपालिका के उस अधिकारी/कर्मचारी से हैं, जो उस पद के कार्यभार के लिए शासन, नगरपालिका बोर्ड या अधिशाली अधिकारी द्वारा अधिकृत किया गया हो।
- (vi) "निरीक्षण अधिकारी" का अभिप्रेत, अधिशाली अधिकारी, नगर स्वास्थ्य अधिकारी, सफाई निरीक्षक अथवा ऐसे अधिकारी/कर्मचारी से है, जिन्हें समय-समय पर अधिशाली अधिकारी के आदेश से निरीक्षण के लिए अतिरिक्त किया गया है।
- (vii) "नियम" से अभिप्रेत, भारत सरकार के पर्यावरण और वन मंत्रालय की अधिसूचना संख्या-848 नई दिल्ली, मंगलवार 03 अक्टूबर, 2000 असाधारण अधिसूचना नई दिल्ली दिनांक 25 सितम्बर, 2000 द्वारा पर्यावरण (संरक्षण) अधिनियम, 1986 के अन्तर्गत नगरीय ठोस अपशिष्ट (प्रबन्धन और हथालन) नियम 2000 बनाये गये से है।
- (viii) "अधिनियम" से अभिप्रेत, उ0प्र0 नगरपालिका अधिनियम, 1916 (उत्तराखण्ड में यथाप्रवृत्त) से है।
- (ix) "जीव नाशित/जैव निम्नकारणीय/जैविक अपशिष्ट (Biodegradable waste)" से अभिप्रेत, ऐसे अपशिष्ट पदार्थों से है, जिसका सूक्ष्म जीवों द्वारा निम्नकरण किया जा सकता है। जैसे बचा हुआ खाना, सब्जी एवं फलों के छिलके, फूलों-पौधों आदि के पत्ते एवं अन्य जैविक अपशिष्ट आदि।
- (x) "जीव अनाशित अपशिष्ट (Non-biodegradable waste)" का अभिप्रेत, ऐसे कूड़ा-कचरा सामग्री से है, जो जीव नाशित कूड़ा, कचरा नहीं है और इसके अन्तर्गत प्लास्टिक भी है।
- (xi) पुनर्चक्रणीय अपशिष्ट (Recyclable waste) से अभिप्रेत, ऐसे अपशिष्ट से है, जो दोबारा किसी भी प्रकार सीधे अथवा विधि से परिवर्तित करके, उसका दोबारा उपयोग किया जा सकता है। जैसे प्लास्टिक, पॉलीथीन (निर्धारित माइक्रोन के अन्दर), कागज, धातु, रबड़ आदि।
- (xii) "जैव चिकित्सीय अपशिष्ट (Biomedical waste)" से तात्पर्य, ऐसे अपशिष्ट से है, जिसका जनन मानवों व पशुओं के रोग निदान, उपचार, प्रतिरक्षीकरण के दौरान या उससे सम्बन्धित किसी अनुसंधान, क्रिया-कलापों या जैविक के उत्पादन या परीक्षण के दौरान हुआ हो।



- (xiii) "संग्रहण (Collection)" से अपशिष्ट के उत्पत्ति स्थल, संग्रहण, बिन्दुओं तथा किसी अन्य स्थान से ठोस अपशिष्ट को उठाया जाना अभिप्रेत है।
- (xiv) "कचरा खाद बनाने (Composting)" एक ऐसी नियंत्रित प्रक्रिया से अभिप्रेत है, जिसमें कार्बनिक पदार्थ का सूक्ष्म जैवीय निम्नकरण अन्तर्वलित है।
- (xv) "ढहान तथा निर्माण सम्बन्धी अपशिष्ट (Demolition and construction waste)" से अभिप्रेत, सन्निर्माण, पुनर्निर्माण, मरम्मत और ढहाने सम्बन्धी सक्रिया के परिणाम स्वरूप निर्माण सामग्री रोड़ियों और मलबे से उद्भूत अपशिष्ट से है।
- (xvi) "व्ययन (Disposal)" से भूजल, सतही जल तथा परिवेशी वायु गुणता को सन्दूषण से बचाने हेतु आवश्यक सावधानी से नगरीय ठोस अपशिष्ट का अन्तिम रूप से व्ययन, अभिप्रेत है।
- (xvii) "भूमिकरण (Landfilling)" से भूजल, सतह जल का प्रदूषण और वायु के साथ उड़ने वाली धूल, हवा के साथ उड़ने वाला कूड़ा, बदबू, आग के खतरे, पक्षियों का खतरा, नाशी जीव/कृत्तक, ग्रीन हाउस गैस उत्सर्जन, ढाल अस्थिरता और कटाव के लिए संरक्षात्मक उपक्रमों के साथ डिजाइन की गई सुविधा में अपशिष्ट, ठोस अपशिष्ट का भूमि भरण पर निपटान, अभिप्रेत है।
- (xviii) "निक्षालितक (Leachate)" से वह द्रव्य अभिप्रेत है, जिसका ठोस अपशिष्ट या अन्य माध्यम से रिसाव हुआ है तथा जिसने इसमें से घुलित अथवा निलम्बित पदार्थ का निष्कर्ष किया है।
- (xix) "नगरपालिका प्राधिकारी (Municipal authority)" में, म्युनिशपल कॉर्पोरेशन, म्युनिसिपैलिटी, नगर निगम, नगरपालिका परिषद्, नगर पंचायत जिसके अन्तर्गत अधिसूचित क्षेत्र, समिति (एन0ए0सी0) अथवा सुसंगत कानूनों के अन्तर्गत गठित कोई अन्य स्थानीय निकाय अभिप्रेत है, जहाँ नगरीय ठोस अपशिष्ट का प्रबन्धन और हथालन, ऐसे किसी अभिकरण को सौंपा जाता है।
- (xx) "स्थानीय प्राधिकारी (Local authority)" का अभिप्रेत, तत्समय प्रवृत्त किसी विधि के अधीन गठित नगर निगम, नगरपालिका परिषद्, नगर पंचायत, क्षेत्र पंचायत या ग्राम पंचायत से है।
- (xxi) "नगरीय ठोस अपशिष्ट (Municipal solid waste)" के अन्तर्गत औद्योगिक परिसंकटमय (Hazardous) अपशिष्टों को छोड़कर किन्तु उपचारित जैव चिकित्सीय अपशिष्टों को सम्मिलित करते हुए, ठोस या अर्द्धठोस रूप से नगरीय/अधिसूचित क्षेत्रों में पैदा किया जाने वाला वाणिज्यिक तथा आवासीय अपशिष्ट आता है।
- (xxii) "सुविधा के परिचालक (Operator of facility)" से ऐसा व्यक्ति अभिप्रेत है, जो नगरीय ठोस अपशिष्टों के संग्रहण, पृथक्करण, भण्डारण, परिवहन, प्रसंस्करण और निपटान की सुविधा का स्वामी या परिचालक है और इसके अन्तर्गत ऐसा कोई अभिकरण आता है, जो अपने-अपने क्षेत्रों में नगरीय ठोस अपशिष्टों के प्रबन्धन एवं हथालन के लिए नगरपालिका प्राधिकारी द्वारा इस रूप से नियुक्त किया गया है। "प्रसंस्करण" से वह प्रक्रिया अभिप्रेत है, जिसके द्वारा अपशिष्ट सामग्रियों को नये पुनः चक्रित उत्पादों में परिवर्तन किया जाता है।
- (xxiii) "पुनःचक्रण (Recycling)" से वह प्रक्रिया अभिप्रेत है, जो नये उत्पादों के उत्पादन के लिए पृथक्करण सामग्रियों को उत्पादन सामग्री में परिवर्तन करता है। जो अपने मूल उत्पादन के समान हो सकता है या नहीं भी हो सकता है।
- (xxiv) "पृथक्करण (Segregation)" से नगरीय ठोस अपशिष्टों को कार्बनिक, अकार्बनिक, पुनःचक्रण योग्य और परिसंकटमय अपशिष्टों को वर्गों से अलग-अलग करना अभिप्रेत है।

- (xxv) "भण्डारण (Storage)" से नगरीय ठोस अपशिष्टों के अस्थायी रूप से इस प्रकार डिब्बाबन्द किया जाना अभिप्रेत है, जिससे कूड़ा-करकट, रोग वाहकों के आकर्षित करने, आवारा पशुओं तथा अत्याधिक दुर्गन्ध को रोका जा सके।
- (xxvi) "परिवहन (Transportation)" से विशेष रूप से डिजाइन की गई परिवहन प्रणाली द्वारा स्वच्छता से एक स्थान से दूसरे स्थान तक नगरीय ठोस अपशिष्ट का परिवहन करना अभिप्रेत है ताकि दुर्गन्ध, कूड़ा-करकट बिखरने, रोग वाहकों की पहुँच से रोका जा सके।
4. कोई भी व्यक्ति/स्थापन (establishment), नगरीय ठोस अपशिष्टों को नाली, सड़क, गली, फुटपाथ, किसी भी खुले स्थान पर जो नगरपालिका द्वारा इस प्रयोजन के लिए निर्धारित नहीं किया गया है, न डालेगा और न डलवायेगा।
  5. नगरीय ठोस अपशिष्टों के उत्पादक व्यक्ति/स्थापन, अपशिष्ट उत्पादन स्थल पर दो कूड़ेदान रखेगा, जिसमें से एक जैव निम्नकरणीय अपशिष्ट तथा दूसरे में पुनःचक्रणीय अपशिष्ट संग्रहित करेगा।
  6. नगरीय ठोस अपशिष्टों के उत्पादक व्यक्ति/स्थापन द्वारा उक्त बिन्दु 6 के अनुसार संग्रहित जैव निम्नकरणीय अपशिष्ट प्रतिदिन तथा पुनःचक्रणीय अपशिष्ट सप्ताह में एक दिन नगरपालिका के द्वारा निर्धारित समय, प्रक्रिया के अनुसार नगरपालिका के कर्मचारी/सुविधा प्रचालक (Operator of a facility) को देना होगा (किन्तु जीव नाशित कूड़ा, जीव अनाशित थैले में रखकर नहीं डाला जायेगा), जिसके लिए अनुसूची में निर्धारित दरें, जो समय-समय पर संशोधित करी जा सकेंगी, के अनुसार उत्पादक व्यक्ति/स्थापन से प्रतिमाह सेवा शुल्क (User charges) लिए जायेंगे।
  7. नगरीय ठोस अपशिष्टों के उत्पादक व्यक्ति/स्थापन ढहान तथा निर्माण सम्बन्धी अपशिष्टों को उठाने के लिए नगरपालिका से सम्पर्क कर, पालिका द्वारा निर्धारित व्यवस्था के अनुसार ऐसे अपशिष्टों को उठाने के लिए निर्धारित दर पर सेवा शुल्क (User charges) भुगतान करना होगा।
  8. नगरीय ठोस अपशिष्टों के उत्पादक व्यक्ति/स्थापन द्वारा जहाँ तक सम्भव हो, बागवानी व सभी पेड़-पौधों के कूड़े परिसर में ही कम्पोस्ट करना होगा, जहाँ ऐसा करना सम्भव न हो तो नगरपालिका से सम्पर्क कर पालिका द्वारा निर्धारित व्यवस्था के अनुसार ऐसे अपशिष्टों को उठाने के लिए निर्धारित दर पर सेवा शुल्क (User charges) भुगतान करना होगा। किसी भी दशा में ऐसे अपशिष्टों को जलाया नहीं जायेगा।
  9. नगरीय ठोस अपशिष्टों के उत्पादक व्यक्ति/स्थापन द्वारा परिसंकटमय (Hazardous) अपशिष्टों को अलग से जमा रखना होगा और पन्द्रह दिन में एक बार द्वार-द्वार (door to door) संग्रहण हेतु कर्मचारी/सुविधा परिचालक को देना होगा।
  10. नगरीय ठोस अपशिष्टों के उत्पादक व्यक्ति/स्थापन, जीव चिकित्सा अपशिष्टों का प्रबन्धन, जीव-चिकित्सा अपशिष्ट (प्रबन्धन एवं हस्तन) नियम, 1998 के अनुसार करेगा, बिना उपचारित जैव-चिकित्सा अपशिष्टों को नगरीय ठोस अपशिष्टों में नहीं मिलायेगा।
  11. नगरीय ठोस अपशिष्टों के उत्पादन करने वाला/हथालन करने वाला, व्यक्ति/स्थापन तथा अन्य कोई भी व्यक्ति नगरीय ठोस अपशिष्ट को न जलायेगा और न ही जलवायेगा।
  12. नगरीय ठोस अपशिष्टों के उत्पादन, पृथक्करण, संग्रहण, भण्डारण, परिवहन तथा व्ययन से सम्बन्धित स्थल का निरीक्षण का अधिकार, निरीक्षण अधिकारी को होगा।

13. निरीक्षण अधिकारी द्वारा स्थल पर गये नगरीय ठोस अपशिष्टों को यदि तत्काल उठाने की आवश्यकता समझी जाती है तो मासिक यूजर चार्ज के अन्तर्गत निर्धारित नहीं है, को अपशिष्ट उत्पादक के द्वारा अथवा नगरपालिका/सुविधा प्रचालक तत्काल उठवाया जा सकेगा और उसके लिए स्थल पर ही यूजर चार्ज वसूल किया जा सकेगा। जिसकी रसीद अपशिष्ट उत्पादक को दी जायेगी, वह धनराशि उसी दिन अथवा अगले कार्य दिवस में नगरपालिका/सुविधा प्रचालक के खाते में जमा की जायेगी।
14. अनुसूची में दी गई दरों में प्रतिवर्ष 10 प्रतिशत की वृद्धि की जायेगी, जिसकी गणना ₹ 5.00 (पाँच) के पूर्णांक में की जायेगी।
15. उपविधि में लगाये जाने वाले यूजर चार्ज/सेवा शुल्क में छूट का प्राविधान नहीं होगा।
16. यह कि उपविधि में दिए गए किसी नियम का उल्लंघन करने पर यदि कोई व्यक्ति या परिवार जैविक-अजैविक कूड़े को सड़क व नाली में फेंकता है, तो प्रथम बार ₹ 200.00 दूसरी बार पर 500.00 एवं तीसरी बार में ₹ 1,000.00 अर्थदण्ड (penalty) देना होगा।
17. यह कि यदि कोई व्यक्ति आवासीय एवं व्यवसायी भवन निर्माण हेतु निर्माण सामग्री 24 घण्टे के अन्दर सार्वजनिक सड़क या नाली के ऊपर से नहीं हटाता है तो प्रथम बार ₹ 500.00, द्वितीय बार ₹ 1,000.00 एवं तीसरी बार में ₹ 1,500.00 की अर्थ दण्ड (penalty) देना होगा।
18. यह कि नगरीय ठोस अपशिष्ट प्रबन्धन के अन्तर्गत सेवा शुल्क (User charges) की दरें निम्नवत् है:-

### अनुसूची-1

#### सेवा शुल्क (User charges) की दरें

| क्र० सं० | अपशिष्ट उत्पादक की श्रेणी/अपशिष्ट के प्रकार | जैविक-अजैविक कूड़ा अलग-अलग पहुँचाने पर ₹ | मिश्रित कूड़ा सड़क तक पहुँचाने पर ₹ | जैविक-अजैविक कूड़ा घर/श्रोत पर ही अलग-अलग देने पर ₹ | जो व्यक्ति घर/श्रोत पर ही मिश्रित कूड़ा देने पर ₹ |
|----------|---|--|-------------------------------------|---|---|
| 1        | 2   | 3  | 4                                   | 5   | 6   |
| 1.       | गरीबी रेखा से नीचे के घर                    | 10                                       | 15                                  | 15  | 20  |
| 2.       | मध्यम वर्ग कम आय वाले घर                    | 15                                       | 20                                  | 20  | 25  |
| 3.       | उच्च आय वर्ग वाले घर                        | 20                                       | 25                                  | 25  | 30  |
| 4.       | सब्जी एवं फल विक्रेता                       | 40                                       | 50                                  | 50  | 75  |
| 5.       | रेस्टोरेन्ट                                 | 150                                      | 200                                 | 200   | 250   |
| 6.       | होटल/लॉजिंग/गेस्ट हाउस                      | 250                                      | 300                                 | 300   | 350   |
| 7.       | धर्मशाला                                    | 30                                       | 40                                  | 40  | 50  |
| 8.       | बरातघर                                      | 450                                      | 500                                 | 500   | 750   |

| 1   | 2  | 3    | 4    | 5    | 6    |
|-----|--|------|------|------|------|
| 9.  | बेकरी  | 40   | 50   | 50   | 75   |
| 10. | कार्यालय   | 40   | 50   | 50   | 75   |
| 11. | स्कूल/शिक्षण संस्थाएँ (आवासीय)   | 500  | 600  | 500  | 600  |
| 12. | स्कूल/शिक्षण संस्थाएँ (अनावासीय)   | 250  | 300  | 250  | 300  |
| 13. | हॉस्पिटल/नर्सिंग होम (बॉयोमेडिकल वेस्ट को छोड़कर)  | 150  | 200  | 200  | 250  |
| 14. | क्लीनिक (मेडिकल)   | 100  | 150  | 100  | 150  |
| 15. | दुकान  | 40   | 50   | 50   | 75   |
| 16. | (क) फैक्ट्री (उद्योग) छोटे   | 300  | 350  | 300  | 450  |
|     | (ख) फैक्ट्री (उद्योग) मध्यम  | 600  | 700  | 600  | 900  |
|     | (ग) फैक्ट्री (उद्योग) बड़े   | 1000 | 1200 | 1000 | 1500 |
| 17. | वर्कशाप/कबाड़ी   | 100  | 150  | 150  | 200  |
| 18. | गन्ने का रस/जूस विक्रेता   | 40   | 60   | 50   | 75   |
| 19. | सार्वजनिक/निजी स्थलों पर सर्कस/प्रदर्शनी/विवाह आदि प्रति आयोजन, जिसमें अपशिष्ट उत्पन्न होता हो | 200  | 300  | 400  | 500  |
| 20. | ढहान तथा निर्माण सम्बन्धी अपशिष्ट  | 300  | 300  | 300  | 300  |

उपरोक्त विवरण के अलावा धार्मिक कार्य जैसे—मण्डारा, जागरण, शोभा यात्रा/जुलूस आदि पर उपरोक्त दरें लागू नहीं होगी।

### शास्ति

उपरोक्त उपविधि का उल्लंघन उ0प्र0 नगरपालिका अधिनियम, 1916 (उत्तराखण्ड में यथावृत्त) की धारा 299 (1) एवं नगरीय ठोस अपशिष्ट प्रबन्धन नियमावली, 2011 के अन्तर्गत दण्डनीय होगा, जो ₹ 5000.00 (रु० पाँच हजार मात्र) तक हो सकेगा और जब ऐसा भंग निरन्तर किया जाय, तो अग्रेत्तर जुर्माना किया जायेगा, जो प्रथम दोष सिद्धि के दिनांक के पश्चात् ऐसे प्रत्येक दिन के लिए जिसमें अपराधी का अपराध करते रहना सिद्ध हो, ₹ 500.00 तक हो सकेगा। यह अधिकार अधिशासी अधिकारी, नगरपालिका परिषद्, जसपुर, ऊधमसिंह नगर में निहित होगा।

फईम खां,  
अधिशासी अधिकारी,  
नगरपालिका परिषद्, जसपुर,  
ऊधमसिंह नगर।

मु० उमर,  
अध्यक्ष,  
नगरपालिका परिषद्, जसपुर,  
ऊधमसिंह नगर।